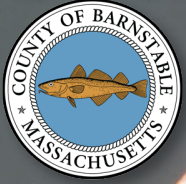


BARNSTABLE



COUNTY

CAPE COD

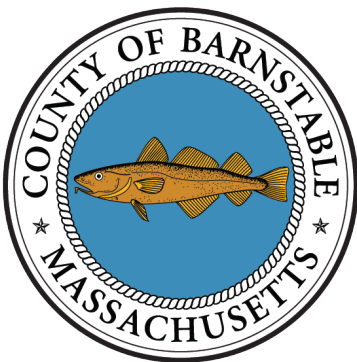


2017 Annual Report

2017 Annual Report

BARNSTABLE COUNTY

CAPE COD REGIONAL GOVERNMENT



FROM THE BOARD OF REGIONAL COMMISSIONERS



To the Citizens of Barnstable County:

The Annual Report of the Cape Cod Regional Government for Fiscal Year 2018 contains the cumulative report of the Board of Regional Commissioners and the report of the County Treasurer for the fiscal year ending June 30, 2018. This publication hereby submitted is 120th in the series.

The report of the Board of Regional Commissioners reflects the acts performed during the preceding fiscal year. The report of the County Treasurer provides a record of the county's receipts and expenditures, the balances at year-end in the General Fund, the Cape Cod Environmental Protection Fund and a listing of the tax assessments to the towns of Barnstable County.

On behalf of the Board of Regional Commissioners, we thank all county employees for their efforts serving the residents of Barnstable County in 2018.

Respectfully submitted,

Leo Cakounes, Chair

Barnstable County Board of Regional Commissioners



2017 ANNUAL REPORT

TABLE OF CONTENTS



Barnstable County was established in 1685 when Plymouth Colony was divided into the new counties of Plymouth, Bristol and Barnstable just prior to the end of the Plantation period.

The 15 communities of Cape Cod are connected by more than geography.

Together we celebrate a shared history, culture and vision. Barnstable County is a special place requiring special protection and services managed cooperatively for the benefit of each community and the region as a whole.

Board of Regional Commissioners	5
Assembly of Delegates	13
Finance	17
Treasurer	21
Purchasing Division	37
Cape Cod Commission	41
Cape Cod Cooperative Extension	53
Children's Cove	71
Barnstable County Dredge	77
Facilities	81
Fire & Rescue Training Academy	85
Department of Health & Environment	91
Department of Human Services	107
Information Technology	117
Resource Development Office & AmeriCorps Cape Cod	121
Registry of Deeds	137

ON THE COVER:

A recreational harvester with a rake full of quahogs.

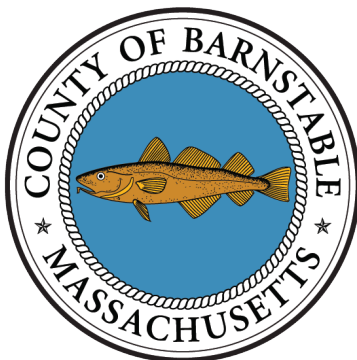
BACK COVER:

Surf clams (*Spisula solidissima*) grown in an experimental plot in Barnstable with the assistance of the Cape Cod Cooperative Extension and Shellfish Research Farm Network.



FY'17

Report of the Barnstable County
**BOARD OF REGIONAL
COMMISSIONERS**





FY'17

BOARD OF REGIONAL COMMISSIONERS

Superior Courthouse
P.O. Box 427
3195 Main Street
Barnstable, MA 02630
508-375-6648 | Fax: 508-362-4136
www.barnstablecounty.org

Board of Regional Commissioners

Leo Cakounes, Chair (Harwich)
508-375-6648 | lcakounes@barnstablecounty.org
Mary Pat Flynn, Vice-chair (Falmouth)
508-375-6648 | mflynn@barnstablecounty.org
Ron Beaty Jr. (Barnstable)
774-994-2959 | ron.beaty@barnstablecounty.org

Administration

Jack Yunits Jr., County Administrator
508-375-6648 | jack.yunits@barnstablecounty.org
Owen Fletcher, Executive Assistant
508-375-6648 | owen.fletcher@barnstablecounty.org
Justyna Marczak,
Assistant Human Resources Director
508-375-6646 | jmarczak@barnstablecounty.org



Commissioners Leo Cakounes, Chair; Mary Pat Flynn; Ron Beaty Jr., Vice Chair.

About

The Board of Regional Commissioners is the Executive Body for the Cape Cod Regional Government, known as Barnstable County. "The executive powers of the Cape Cod Regional Government shall be vested solely in the Board of Regional Commissioners and may be exercised whether directly by such board, or through the several regional agencies under its direction and supervision." Barnstable County Home Rule Charter, Sec. 3-2.

There are three members of the Board of Regional Commissioners. They are elected at-large on a partisan basis for four-year staggered terms.

Responsibilities include:

- Director of County agencies
- Preparation of budgets for submittal to the Assembly of Delegates
- Care of County property
- Supervision of revenue collection and fund disbursement
- Reporting on financial and administrative condition of County
- Proposal of measures for Assembly action
- Power to veto ordinances
- Appointment and removal of County Administrator and all County employees.

REPORT OF THE COUNTY COMMISSIONERS OF BARNSTABLE COUNTY

For the Period July 1, 2016 and ending June 30, 2017.

The County Commissioners of Barnstable County submit the following report upon the affairs of the County in accordance with Section 26 of Chapter 35 of the General Laws. The Commissioners met by adjournment on Wednesdays and on such other days as were necessary.

All taxes due from the fifteen (15) towns within

the County are paid to date.

On July 16, 1988, the Governor executed the Barnstable County Home Rule Charter. It was then accepted by the voters of Barnstable County at the November 8, 1988, State Election.

In the November 7, 2000 election, voters overwhelming passed a ballot question that asked "Shall the revisions to the Barnstable County Charter proposed by the Assembly of Delegates establishing a Cape Cod Regional Government be adopted?" With its passage:

Barnstable County Government became the Cape Cod Regional Government, known as Barnstable County. No changes were made to the existing revenue stream for Barnstable County and no new taxes created. Existing services and the ability to deliver regional services to towns will be maintained.

The County Budget process is now detailed in the Charter under Article 5 - Fiscal Procedures. The vote of each municipality is proportionate to the percentage of its population is to the total population of the County based on the most recent federal census, or decennial census estimate. The County Tax is based on the towns' equalized valuation as determined by the State Legislature and Department of Revenue.

For Fiscal Year 2017 revenue, the County did increase the County Tax by 2 ½ percent as permitted under Massachusetts General Laws. The approved Budget Ordinance 16-06 for Fiscal Year 2017 allowed for expenditures of \$27,733,930. Pursuant to Article 3-Executive Branch; Section 3-3(e) (Powers and Duties), the Commissioners file, at least on a semi-annual basis, a report with the Assembly of Delegates informing them of the financial and administrative condition of the County. Also, the Commissioners update the Assembly of Delegates on County issues at their regularly scheduled meetings.



PENDING LITIGATION FOR BARNSTABLE COUNTY

There was pending litigation against Barnstable County in Fiscal Year 2017, filed by the Town of Barnstable regarding an environmental claim. The Board of Commissioners approved a settlement of the litigation on June 28, 2017.

SALARIES OF ELECTED COUNTY OFFICERS

County Commissioners \$14,178.60/each

Register of Deeds \$ 127, 461.14 /FY

Assembly of Delegates \$1,000.00/each/year

COUNTY PROPERTY

- Superior Court House
- Deeds & Probate Building
- Jail & House of Corrections
- Water Quality Testing Lab
- Police Services Center
- Resource Development Offices
- Other Structures/Flag Pole
- County Complex land 17.88 acres; old Rte. 132 land 5.03 acres
- Farm Superintendent's Residence
- Farm Buildings
- Farm Land 99.89 acres
- Former County Hospital (Pocasset), AmeriCorps & Other Related Buildings
- County Hospital & AmeriCorps Land 70.34 acres
- Fire Administration Building
- First District Court House
- 2nd District Court House
- Helms House / Humans Service Function
- Cape Cod Commission Offices (contents only)
- **LAND:** Flint Rock Rd land with adjacent property and Fire Academy land 11.06 acres
- **LAND:** 3195 Main Street, Barnstable, 17.88 acres with buildings & equipment

- **LAND:** 0 Phinney's Lane, Barnstable, 5.03 acres with buildings & equipment
- **LAND:** 3675 Main Street, Barnstable, 18.91 acres with buildings & equipment
- **LAND:** 0 Flint Rock Road, Barnstable, 78.24 acres with buildings & equipment
- **LAND:** 155 South Flint Rock Road, Barnstable, 6.20 acres with buildings & equipment
- **LAND:** 1225 Mary Dunn Road, Bourne, 6.61 acres with buildings & equipment
- **LAND:** 0 County Road, Bourne, 65.60 acres with buildings & equipment
- **LAND:** 875 County Road, Bourne, 5.44 acres with buildings & equipment
- **LAND:** 237 Rock Harbor Road, Orleans, 10.00 acres with buildings & equipment

BARNSTABLE COUNTY CONTRACTS

Contracts executed and other actions taken as a result of an invitation for bid or request for proposal (RFP) during Fiscal Year 2017

BID #7794: Invitation for Bids for qualified vendors to perform repairs to the County Workboat and the County crane barge. Bid awarded to Fairhaven Shipyard as the responsive, responsible bidder offering the lowest price.

BID #7795: Invitation for Bids for qualified vendors to rebuild the main pump engine on the hydraulic dredge "Cod Fish". Bid awarded to C.P. Brodeur as the responsive, responsible bidder offering the lowest price.

BID #7796: Invitation for Bids for the processing of recyclable materials on behalf of the Towns in Barnstable County. Bids awarded to Miller Recycling Corporation and Allied Waste as the responsive, responsible bidders offering the lowest prices.

BID #7797: Request for Proposals issued to administer the Barnstable County HOME Consortium's Down Payment and Closing Cost Program (DPCC). Bid awarded to Housing Assistance Corporation as the

responsive, responsible bidder offering the most advantageous proposal.

BID #7798: Request for Proposals issued for marketing services for the Department of Human Services - Regional Substance Abuse Council. Bid Awarded to Grouper Design as the responsive, responsible bidder offering the lowest price.

BID #7799: Request for Proposals issued on behalf of the Department of Human Services to provide services for Continuum of Care Planning & Implementation of a Coordinated Entry System (CES). Request for Proposals closed as there were no proposals received.

BID #7800: Request for Proposals issued on behalf of the Cape Cod to prepare a Regional Housing Needs and Market Analysis/Forecast. Bid awarded to RKG Associates as the responsive, responsible bidder offering the most advantageous proposal.

BID #7801: Request for Proposals issued on behalf of the Department of Human Services to provide services for Continuum of Care Planning & Implementation of a Coordinated Entry System (CES). Bid awarded to Lee Hamilton, PhD as the responsive, responsible bidder submitting a highly advantageous proposal.

BID #7802: Invitation for Bids issued for MA Certified hatcheries to conduct a regional remote set program for the participating towns of the County. Bid awarded to Aquacultural Research Corporation as the responsive, responsible bidder offering the lowest price.

BID #7803: Invitation for Bids issued for MA Certified suppliers of oyster (*Crassostrea virginica*) singles seed not less than 12 mm to provide a bulk shipment of said seed to the Towns of the County for the summer of 2017. Bid awarded to Cape Cod Oyster Company as the responsive, responsible bidder.

BID #7804: Invitation for Bids issued for MA Certified suppliers of Hard Clam/*Quahog* (*Mercenaria mercenaria*) seed, to provide a bulk shipment of said seed to the Towns of the County for the Summer of 2017. Bid awarded to Aquacultural Research Corporation as the responsive, responsible bidder offering the sole

proposal.

BID #7805: Invitation for Bids for MA Certified suppliers of Oyster (*Crassostrea virginica*) singles seed not less than 3mm to provide a bulk shipment of said seed to the Towns of the county for the summer of 2017.

BID #7806: Invitation for Bids issued for Golf Course Materials and Services for the Municipal Golf Courses and other Political Subdivisions in Barnstable County for the period of March 1, 2017 through February 28, 2018. Bids awarded to the following vendors as the responsive, responsible bidders offering the lowest prices: Harrell's LLC, Site One Landscape Supply Company, Charles C. Hart Seed Company, Residex, Hornungs Golf Products, Helena Chemical Company, Winfield Solutions, Crop Production Services, and Atlantic Golf & Turf

BID #7807: Invitation for Bids issued for blanket trade contractors on behalf of the County, Towns and other Political Subdivisions in Barnstable County for contractors within specific trades as follows: Alarms (Fire), Alarms (Security), Asphalt/Paving Services, Commercial Boiler Services, Electrician Services, General Contractors, Locksmith/Door Hardware, Masonry, Painting, Plumbing Services, Pump/Motor Services, Roofing Services, Septic Services, Telephone/Intercom and Tree Services. List approved of sixty bidders qualified in fourteen different categories of work.

BID #7808: Request for Proposal issued for qualified independent certified public accountants, licensed to practice in the Commonwealth of MA. Bid awarded to Powers and Sullivan as the responsive, responsible bidder offering the most advantageous proposal.

BID #7809: Invitation for Bids issued for Crackfilling Items for the period of April 1, 2017 through March 31, 2018, with the option to renew for one additional year. Bid awarded to Sealcoating, Inc., and Crack-Sealing, Inc. as the responsive responsible bidders offering the lowest prices.

BID #7810: Invitation for Bids issued for Roadway Materials for the period of April 1,



2017 through March 31, 2018 with the option to renew for one additional year. Bids awarded to the following as the responsive, responsible bidders offering the lowest prices: Cape Cod Aggregates; Robert Childs, Inc; PA Landers; Aggregate Industries; and Lawrence Lynch Corp.

BID #7811: Invitation for Bids issued on behalf of Towns in Barnstable County for Road Reconstruction Projects for the period of April 1, 2017 through March 31, 2018. Bid awarded to the responsive, responsible bidders offering the lowest prices as follows: Lawrence Lynch - Chatham; MCE Dirtworks - Wellfleet and Provincetown; Rochester Bituminous Products, Inc- Orleans; and MCE Dirtworks, Inc. -Harwich

BID #7812: Invitation for Bids issued on behalf of Towns in Barnstable County for Miscellaneous Public Works for the period of April 1, 2017 through March 31, 2018, with the option to renew for one additional year. Bid awarded to the responsive, responsible bidders offering the lowest prices per town: Bartlett Consolidated; Lawrence Lynch; Highway Safety Systems; and Markings, Inc.

BID #7813: Invitation for Bids issued to demolish interior portions of the former House of Corrections Building located at 3195 Main St, Barnstable, MA. Bid awarded to Barbato Construction Co., as the responsive, responsible bidder offering the lowest price.

BID #7814: Invitation for Bids issued on behalf of towns in the County from qualified companies to provide the leasing and maintenance of portable toilets for use at special events, in beach or park areas and/or other applications where temporary and/or permanent portable units may be required. Bid awarded to MA Frazier Enterprises, Inc as the responsive, responsible bidder for the Town of Brewster. The towns of Eastham, Harwich and Truro rejected the bid.

BID #7815: Invitation for Bids issued for the supply and delivery of gasoline and diesel fuel to Barnstable County and other political subdivisions for the period of July 1, 2017 through June 30, 2018. Bids awarded to the following bidders as the responsive, responsible bidders offering the lowest prices: Peterson Oil; Petroleum Traders;

Dennis K. Burke; Noonan Brothers Petroleum; and Diesel Direct.

BID #7816: Request for Proposal issued to conduct a comprehensive water quality monitoring program. Bid awarded to the Provincetown Center for Coastal Studies as the responsive, responsible bidder offering the most advantageous proposal.

BID #7817: Invitation for Bids issued for the supply and delivery of #2 fuel oil to Barnstable county and other Political Subdivisions. Bid awarded to Peterson Oil, Inc as the responsive, responsible bidder offering the best price.

BID #7818: Invitation for Bids issued on behalf of water districts in Barnstable County for the supply and delivery of Caustic-Potash (potassium Hydroxide - KOH), Hydrated Lime, Citric Acid, Sodium Hypochlorite, Methanol Solution and Sodium Hypochlorite for the period of July 1, 2017 through June 30, 2018. Bid awarded to the responsive, responsible bidders offering the lowest prices as follows: Univar; Borden & Remington; Shannon Chemical; and NBC Distributors.

BID #7819: Invitation for Bids issued for the supply and bulk delivery of copy paper for schools in Barnstable County and Nantucket. Bid awarded to WB Mason as the responsive, responsible bidder offering the lowest price.

BID #7820: Invitation for Bids issued on behalf of Barnstable County and other Political Subdivisions for elevator maintenance and repair. Bid awarded to BBE Corporation as the responsive, responsible bidder offering the lowest prices.

BID #7821: Invitation for Bids issued on behalf of Barnstable County and other Political Subdivisions to provide toners to Barnstable County and other Political Subdivisions. Bids awarded to the following responsive, responsible bidders offering the lowest prices for each category: JB Holdings; WB Mason; and The Tree House

BID #7822: Invitation for Bids issued for On Call Electricians and Plumbers for Barnstable County and other Political Subdivisions. Bid

awarded to Robert Irvine and Sons as the responsible, responsive bidder offering the lowest price.

BID #7823: Request for Proposal issued to provide actuarial studies to the member units of the Retirement Systems of Cape Cod and the Islands. Bid awarded to Segal Consulting as the responsive, responsible bidder offering the most advantageous proposal.

BID #7824: Request for Proposal issued on behalf of the Department of Human Services, seeking a qualified contractor to work with County staff to provide monitoring to ensure affordable housing projects developed with Barnstable County HOME Consortium funds meet the requirements of HUD's HOME Investment Partnership Program. Bid award to Fine Point Associates, LLC as the responsive, responsible bidder offering a highly advantageous proposal.

BID #7825: Invitation for Bids issued on behalf of Towns in Barnstable County for Catch Basin Cleaning for the period of July 1, 2017 through March 31, 2018, with the option to renew for one additional year. Bid awarded to the responsive, responsible bidders offering the lowest prices for each town: Leo Vigeant Co., Inc. and R.J. Gabriel Construction Co., Inc.

BID #7826: Invitation for Bids issued on behalf of Barnstable County and other Political Subdivisions for on call tradespersons for maintenance and repair in the following trades: Electrical Work for the period of July 1, 2017 through June 30, 2018 with the option to renew for one additional year. Bid awarded to B&B Electric as the responsive, responsible bidder offering the lowest price.

COUNTY OFFICERS

July 1, 2016 – June 30, 2017

COUNTY COMMISSIONERS

Current Members

Leo Cakounes, 2017 Chair.....Harwich
Mary Pat Flynn, 2016 Chair, 2017 Vice-Chair..Falmouth
Ron BeatyBarnstable

Previous Member *Through Jan. 3, 2017*

Sheila Lyons, 2016 Vice-Chair..... Wellfleet

COUNTY ADMINISTRATOR

Jack Yunits, County Administrator

ASSEMBLY OF DELEGATES

Current Delegates

Patrick Princi.....Barnstable
Linda Zuern..... Bourne
Mary Chaffee, Appointed June 2, 2017.....Brewster
Ronald Bergstrom, 2016 Speaker.....Chatham
John Ohman.....Dennis
Edward AtwoodEastham
Susan Moran.....Falmouth
Edward McManus.....Harwich
Thomas O'Hara.....Mashpee
Christopher W. Kanaga.....Orleans
Brian O'Malley.....Provincetown
James J. Killion.....Sandwich
Lilli-Anne Green..... Wellfleet
Deborah McCutcheon Truro
Deputy Speaker, 2016 & 2017

E. Suzanne McAuliffe, 2017 SpeakerYarmouth

Previous Delegates

Through Jan. 3, 2017 unless noted

Edward Lewis, resigned May 3, 2017Brewster
Marcia KingMashpee
Julia C. TaylorFalmouth
Teresa MartinEastham



**FINANCE DIRECTOR/
COUNTY TREASURERS**

Mary McIsaac, Treasurer/Director of Finance
Patricia D. Rogers, Assistant Treasurer
Joanne P. Nelson, County Accountant

REGISTER OF DEEDS

John F. Meade, Register
David B. Murphy, Assistant Register of Deeds

CAPE COD COMMISSION

Harold Mitchell, Chairman
Paul Niedzwiecki, Executive Director

GENERAL COUNSEL

Robert Troy, Esq.

COUNTY CLERK

Janice O'Connell, County Clerk

**BARNSTABLE COUNTY FIRE
AND RESCUE TRAINING
ACADEMY**

George Russell, Director

DIRECTOR OF FACILITIES

Stephen C. Tebo, Director of Facilities

**DEPARTMENT OF HEALTH &
ENVIRONMENT**

George R. Heufelder, Director of Health and
Environment
Sean O'Brien, Director of Health and
Environment

**DEPARTMENT OF HUMAN
SERVICES**

Elizabeth Albert, Director of Human Services

**COOPERATIVE EXTENSION
SERVICE**

Michael Maguire, Director of Cooperative
Extension

**REGIONAL RESOURCE
DEVELOPMENT PROGRAM**

Darlene R. Johnson-Morris, Resource
Development Director (Retired, March 2017)
Julie Ferguson, Resource Development Director

DREDGE PROGRAM

Wayne F. Jaedtke, Dredge Superintendent

**INFORMATION TECHNOLOGY
DEPARTMENT**

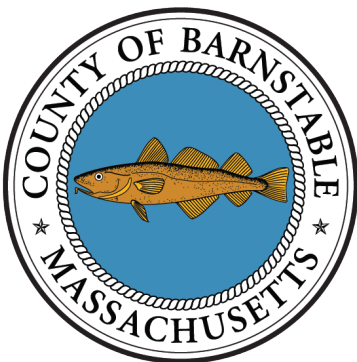
William Traverse, Director of I.T.

**CAPE COD & THE ISLANDS
CHILD ADVOCACY CENTER
(Children's Cove)**

Stacy Gallagher, Director of Children's Cove

Report of the Barnstable County **ASSEMBLY OF DELEGATES**

2



ASSEMBLY OF DELEGATES

Cape Cod Regional Government (known as Barnstable County)
First District Courthouse, Route 6A
Barnstable, MA 02630

www.barnstablecounty.org

Janice O'Connell, Clerk

508-375-6761 | aofd@barnstablecounty.org

Fifteenth Session (2015 -2016)



SEATED LEFT TO RIGHT: Edward McManus (Harwich), Edward Lewis (Brewster – resigned 5/3/17), Ronald Bergstrom (Chatham), James Killion (Sandwich), Susan Moran (Falmouth), Deborah McCutcheon (Truro). STANDING LEFT TO RIGHT: Thomas O'Hara (Mashpee), John Ohman (Dennis), Lilli-Ann Green (Wellfleet), E. Suzanne McAuliffe (Yarmouth), Brian O'Malley (Provincetown), Christopher Kanaga (Orleans), Patrick Princi (Barnstable), Linda Zuern (Bourne); Edward Atwood (Eastham). Missing from photo: Mary Chaffee (Brewster – appointed 6/2/17).

REPORT FOR FISCAL YEAR 2017

The Assembly of Delegates is the legislative branch of Cape Cod Regional Government (also known as Barnstable County government). Each town within the county is duly represented on the Assembly of Delegates. Delegates are elected by the voters from each town for a two-year (calendar) term. The vote of each delegate is a weighted vote based on the 2010 U. S. Decennial Census. Barnstable has the largest weighted vote of 20.92% and Truro has the smallest weighted vote of 0.93%.

On Wednesday, January 4, 2017, delegates to the Fifteenth Session (2017 – 2018) of the Assembly

of Delegates were sworn-in and assumed their duties. E. Suzanne McAuliffe (Yarmouth) was elected Speaker, Deborah McCutcheon (Truro) was elected Deputy Speaker, and Janice O'Connell continued as the Assembly Clerk.

The Assembly of Delegates holds regular meetings on the first and third Wednesday of each month at 4:00 p.m. in the Chamber Hall of the Assembly of Delegates, First District Courthouse in Barnstable. Soon, the Assembly will relocate to new meeting space on the Barnstable County Complex.

The legislative powers of county government are vested in the Assembly of Delegates, and except as provided in the Barnstable County Home Rule

Charter, the acts of the Assembly of Delegates are required to be by ordinance. Ordinances are brought forward to the Assembly of Delegates and then referred for review and discussion to a Standing Committee of the Assembly by the Speaker prior to receiving a recommendation from the committee for a vote by the full Assembly. The public can participate in the process when a proposed ordinance is scheduled for a public hearing by the appropriate Standing Committee.

Delegates are appointed to serve on the Standing Committees of the Assembly and may also be appointed to serve on other ad hoc or special committees.

The Standing Committees of the 15th Session of the Assembly of Delegates are as follows:

- **Economic Affairs:** addresses economic development in Barnstable County
- **Finance:** reviews the budget and looks at every major decision rendered by the Barnstable County government that has financial implications including inter-governmental fiscal policies and procedures
- **Governmental Regulations:** address all matters relating to the Regional Policy Plan (committee composition consists of the Chairs of all other Standing Committees)
- **Health and Human Services:** addresses matters relating to public health, social services and housing
- **Natural Resources:** addresses matters relating to environmental matters
- **Public Services:** addresses matters relating to public services
- **Telecommunications and Energy:** addresses matters relevant to telecommunications and energy policy and budgetary decisions of the Assembly and to the general welfare of the citizens of Barnstable County.

Members of each Standing Committee will review the components of all proposed ordinances assigned to and under consideration by each appropriate committee prior to issuing a report to

the full Assembly.

An important and significant responsibility of the Assembly is the review and adoption of a proposed budget for the ensuing fiscal year. A proposed budget is submitted to the Assembly of Delegates by the Board of County Commissioners (executive branch of Barnstable County government) each February. Standing Committees meet with department managers, review their budgets and programs, look at the goals and effectiveness of each program, and consider information that is gathered through the public hearing process prior to making a recommendation to the full Assembly for a vote. This budget process typically takes place between February and May of each year.

During FY2017 (July 1, 2016 through June 30, 2017), the Assembly of Delegates adopted twelve Ordinances (16-08 through 16-10, 17-01 through 17-08). A complete list of all ordinances adopted by the Assembly of Delegates is available upon request or can be viewed on the county website at <http://www.barnstablecounty.org/assembly-of-delegates/ordinances>.

The following information represents a list of the Standing Committees and a summary description of the ordinances and subject matter that were reviewed by the committees and ordinances adopted by the Assembly during fiscal year 2017.

Assembly of Delegates:

- Authorization of County Clerk to administer Oath of Office to county officials – **Ordinance 16-10 adopted by the Assembly on 12/21/16.**
- Appropriation and transfer to Special Projects Reserve Fund of \$190,080 – **Ordinance 17-08 adopted by the Assembly on 6/30/17.**

Standing Committee on Natural Resources:

- To replace Ordinance 05-22 / Cape Cod Water Protection Collaborative – **Ordinance 17-07 adopted by Assembly on 6/7/17.**

**Standing Committee on Finance:**

- Supplemental appropriations of \$100,000 for legal expenses and \$100,000 for remediation efforts at the Fire Training Academy - **Ordinance 16-08 adopted by Assembly on 9/26/16.**
- Appropriation and transfer of \$185,000 from Salary Reserve Account for 2% COLA for county employees – **Ordinance 16-09 adopted by Assembly on 12/21/16.**
- Supplemental appropriation of \$32,205 for Fire Training Academy vehicle– **Ordinance 17-01 adopted by Assembly on 2/15/17.**
- Supplemental appropriation of \$100,000 from Legal Reserve for legal costs related to the Fire Training Academy – **Ordinance 17-02 adopted by Assembly on 12/15/17.**
- Supplemental appropriation of \$50,000 from Statutory Reserve for legal services – **Ordinance 17-03 adopted by Assembly on 4/19/17.**
- FY2018 County Operating Budget authorization and appropriation of \$28,542,920 – **Ordinance 17-04 adopted by Assembly on 5/3/17.**
- County Capital Budget authorization and appropriation of \$650,000 – **Ordinance 17-05 adopted by Assembly on 5/3/17.**
- Supplemental appropriation of \$100,000 from the Statutory Reserve Fund for on-going costs related to the Fire Training Academy– **Ordinance 17-06 adopted by Assembly on 5/3/17.**

Economic Affairs**Health & Human Services****Natural Resources****Public Services****Telecommunications & Energy:**

Reviewed and recommended department budgets to the Finance Committee for FY 2018 proposed operating budget – **Ordinance 17-04 and 17-05.**

Town Representation (as of June 30, 2017)**Fifteenth Session (2017-2018)****Assembly of Delegates**

Delegates	Town	% Weighted Vote
Patrick Princi	Barnstable	20.92%
Linda Zuern	Bourne	9.15%
Mary Chaffee (appointed 6/2/17)	Brewster	4.55%
Edward Lewis (resigned 5/3/17)	Brewster	--
Ronald Bergstrom	Chatham	2.84%
John Ohman	Dennis	6.58%
Edward Atwood	Eastham	2.30%
Susan Moran	Falmouth	14.61%
Edward McManus	Harwich	5.67%
Thomas O'Hara	Mashpee	6.49%
Christopher Kanaga	Orleans	2.73%
Brian O'Malley	Provincetown	1.36%
James Killion	Sandwich	9.58%
Deborah McCutcheon	Truro	0.93%
Lilli-Ann Green	Wellfleet	1.27%
Suzanne McAuliffe	Yarmouth	11.02%
		100.00%

If you have any questions about the operation or structure of the Assembly of Delegates please contact the Assembly Clerk via the following:

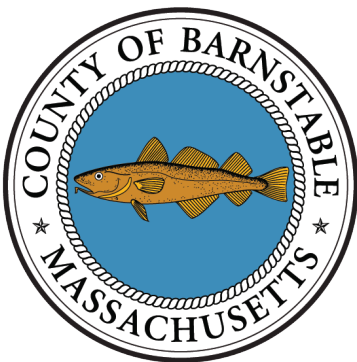
Janice O'Connell, Clerk
Telephone (508) 375-6761
Email: aofd@barnstablecounty.org

Report of the Barnstable County

FINANCE DEPARTMENT



FINANCE





Barnstable County Department of Finance

Superior Courthouse
P.O. Box 427, 3195 Main Street
Barnstable, MA 02630
508-375-6648 | Fax: 508-362-4136

Mary T. McIsaac,
 Director of Finance/County Treasurer
 508-375-6915 | mary.mcisaac@barnstablecounty.org

Stephen Amara, County Accountant
 508-375-6640 | stephen.amara@barnstablecounty.org

Elaine Davis, Chief Procurement Officer
 508-375-6637 | edavis@barnstablecounty.org

Kara Mahoney, Finance Assistant/Accounts Payable
 508-375-6639 | kmahoney@barnstablecounty.org

Patricia Rogers, Assistant Treasurer
 508-375-6645 | trogers@barnstablecounty.org

Nancy Cushing, Payroll/Benefits Coordinator
 508-375-6647 | ncushing@barnstablecounty.org

The Barnstable County Department of Finance hereby submits its Annual Report for Fiscal Year 2017. The Department is responsible for the financial management of the County. Department functions include Treasury Services, Accounting, Accounts Payable, Payroll, Group Insurance/Benefits and Purchasing.

During Fiscal Year 2017, the Department completed a comprehensive review of capital expenditures and prepared for the request for a bond rating in advance of issuance of General Obligation Bonds in the Fall of 2017. The Department continues to issue short-term bond Anticipation Notes (B.A.N.S.) in advance of the bond issue. The Department also continues to administer the Massachusetts Clean Water Trust obligations. These funds provide the backbone of financing for betterment loans available to

homeowners of our 15 towns for septic system improvements.

During Fiscal Year 2017, the Department of Finance collaborated with county departments to streamline processes and implement procedures which more fully utilized the capabilities of our major financial software systems providing more robust reporting and documentation.

In Fiscal Year 2017 the County's revenues remained strong for tax collections, grant funding and departmental fees and charges and expenditures remained conservative, the combination of which yielded a positive result for the General Fund and the Cape Cod Commission Fund.

Mary T. McIsaac
 Director of Finance/County Treasurer

BARNSTABLE COUNTY

OPERATING BUDGET - EXPENDITURES

06/30/2017

Transfers & Carry Forwards		Original Appropriations		Revised Budget			Encumbrances		Remaining	
Department										
100 County Commissioners Office	499,598.00	42,827.65	542,425.65	494,314.03	7,357.10	40,754.52				
105 Information Technology Services	1,300,365.00	2,091.79	1,302,456.79	1,090,778.04	43,592.83	168,085.92				
110 Resource Development Office	922,587.00	58,290.23	980,877.23	745,139.55	18,456.75	217,280.93				
120 Cape Light Compact	0	0	0	0	0	0				
130 Assembly Of Delegates	318,605.00	4,780.39	323,385.39	314,001.21	75.89	9,308.29				
140 Finance	755,303.00	12,615.87	767,918.87	675,744.11	4,478.57	87,696.19				
150 Affordable Housing	0	0	0	0	0	0				
160 Grants To Towns	0	0	0	0	0	0				
200 Facilities	2,442,257.00	40,984.33	2,483,241.33	2,063,042.02	44,558.83	375,640.48				
230 Cooperative Extension	2,050,708.00	67,041.48	2,117,749.48	1,825,264.48	50,153.58	242,331.42				
240 Registry Of Deeds	2,628,385.00	22,198.69	2,650,583.69	2,408,420.89	6,242.58	235,920.22				
250 Dredge	1,697,504.00	6,882.66	1,704,386.66	832,392.45	7,507.02	864,487.19				
260 Joint Initiatives	720,575.00	-239,485.05	481,089.95	375,373.15	98,949.15	6,767.65				
300 Health & Environment	3,114,111.00	-19,521.18	3,094,589.82	2,945,158.00	10,183.39	139,248.43				
310 Human Services	1,121,854.00	1,151,572.43	2,273,426.43	1,880,156.58	243,156.91	150,112.94				
320 Children's Cove	737,799.00	37,148.78	774,947.78	685,394.43	2,695.85	86,857.50				
330 Elder Services/Meals On Wheels	40,000.00	0	40,000.00	40,000.00	0	0				
450 Public Safety	1,334,120.00	0	1,334,120.00	1,334,120.19	0	-0.19				
460 Fire Training Academy	443,555.00	57,566.97	501,121.97	415,050.66	11,635.00	74,436.31				
500 Cape Cod Commission	5,340,260.00	-8327.48	5,331,932.52	3,888,712.95	56,900.41	1,386,319.16				
550 Economic Development Council	0	0	0	0	0	0				
560 Water Quality Initiatives	352,000.00	594,325.41	946,325.41	467,462.50	412,197.42	66,665.49				
900 Fringe Benefits	1,161,044.00	-21,624.69	1,139,419.31	1,065,868.23	0	73,551.08				
910 Misc. & Contingency Exp.	438,300.00	917,853.85	1,356,153.85	1,100,083.93	84,405.30	171,664.62				
920 Debt Service & Interest	315,000.00	0	315,000.00	263,444.92	0	51,555.08				
GRAND TOTAL	27,733,930.00	2,727,222.13	30,461,152.13	24,909,922.32	1,102,546.58	4,448,683.23				



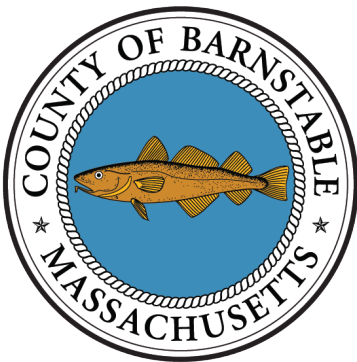
FY'17

FINANCE

Report of the Barnstable County **TREASURER**



TREASURER





REPORT OF THE TREASURER
FISCAL YEAR 2017

To the Citizens of Barnstable County:

I hereby submit the Annual Report of the Treasurer of Barnstable County for the fiscal year ending June 30, 2017. This publication is the one hundred and twenty-second in the series.

The financial reports that follow include a statement of receipts and expenditures, the balances at year-end in the General Fund and the Cape Cod Commission Fund, an outstanding debt schedule, and a listing of the tax assessments to the towns of Barnstable County.

All financial records through June 30, 2016 have been examined by the firm of Powers and Sullivan, LLC located in Wakefield, Massachusetts and were found to be in good order. The audit report is on file at the office of the County Treasurer and is available for inspection.

Respectfully submitted,

Mary T. McIsaac
County Treasurer/Finance Director

County of Barnstable
Tax Assessments
Fiscal Year 2017

Town	County Tax	Cape Cod Commission Environmental Protection Tax
Barnstable	\$541,243	\$580,287
Bourne	\$169,555	\$181,786
Brewster	\$142,474	\$152,751
Chatham	\$248,838	\$266,788
Dennis	\$250,801	\$268,892
Eastham	\$113,429	\$121,612
Falmouth	\$463,922	\$497,388
Harwich	\$193,497	\$207,455
Mashpee	\$189,572	\$203,247
Orleans	\$154,641	\$165,796
Provincetown	\$104,010	\$111,513
Sandwich	\$153,071	\$164,113
Truro	\$85,563	\$91,735
Wellfleet	\$93,020	\$99,730
Yarmouth	\$219,401	\$235,228
Totals	\$3,123,037	\$3,348,321

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
FUND BALANCES:								
Reserved for Encumbrances		741,192.15	0.00	101,124.06			0.00	842,316.21
Reserved for Continuing Appropriations		598,859.41	0.00	40,851.43			0.00	639,710.84
Statutory Reserve		312,304.00	0.00	0.00			0.00	312,304.00
Other Reserves		4,901,305.15	0.00	2,179,359.00			0.00	7,080,664.15
Unassigned		215,413.12	(8,961,768.15)	1,391,841.99			33,875,588.37	26,521,075.33
Total Fund Balances 7/1/16		6,769,073.83	(8,961,768.15)	3,713,176.48			33,875,588.37	35,396,070.53
REVENUES								
Information Technology Support Services		202,810.38	250,000.00					452,810.38
Resource Development Office		22,716.20						22,716.20
Finance Department		34,673.90						34,673.90
Facilities		37,956.72	10,748.44					48,705.16
Building Rentals		90,903.40						90,903.40
Courthouse Rental		1,713,039.52						1,713,039.52
Cooperative Extension Service		102,725.51						102,725.51
County Excise Taxes		11,566,183.83						11,566,183.83
Registry of Deeds		2,634,455.29						2,634,455.29
County Dredge								
Joint Initiatives		92,596.37						92,596.37
Health & Environmental		800,343.67						800,343.67
Human Services		385.00						385.00
Fire Training Academy		276,151.00						276,151.00
License Plate Revenue-Rest Area		16,862.68						16,862.68
County Tax Assessments		3,123,037.00						3,123,037.00
Miscellaneous Revenues		24,396.58						24,396.58
Interest Income		45,667.91						45,667.91
Paydown of Bond Anticipation Note		0.00	0.00					0.00
CC Environmental Protection Tax Assessments				3,348,321.00				3,348,321.00
Cape Cod Commission Regulatory Fees				181,103.18				181,103.18
Cape Cod Commission Misc Revenues				5,822.28				5,822.28
Cape Cod Commission Grants				1,029,628.75				1,029,628.75
TOTAL BUDGETED REVENUES		20,784,904.96	260,748.44	4,564,875.21				25,610,528.61



FY'17

TREASURER

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
EXPENDITURES								
County Commissioners Office		494,314.03						494,314.03
Information Technology Services		1,090,778.04	144,220.58					1,234,998.62
Resource Development Office		745,139.55						745,139.55
Assembly of Delegates		314,001.21						314,001.21
Department of Finance		675,744.11						675,744.11
Department of Facilities		2,063,042.02	260,459.08					2,323,501.10
Cooperative Extension Services		1,723,827.45						1,723,827.45
Registry of Deeds		2,408,420.89						2,408,420.89
County Dredge			948,750.00					948,750.00
County/CCC Joint Initiatives		375,373.15	0.00					375,373.15
Health & Environmental		2,343,014.95	52,545.24					2,395,560.19
Human Services		588,768.69						588,768.69
Children's Cove		425,164.43						425,164.43
Grants for Human Services		40,000.00						40,000.00
Fire Training Academy		415,050.66						415,050.66
Water Quality Initiatives		467,462.50						467,462.50
Retirement-Retired Sheriff's Employees		1,334,120.19						1,334,120.19
Retirement-Early Retirement Incentive		123,397.42						123,397.42
Group Hlth,Dental & Life Insurance-Retirees		872,470.81						872,470.81
Workers Comp Premiums		70,000.00						70,000.00
Miscellaneous & Contingent		708,603.53						708,603.53
Unpaid Bills		1,405.34						1,405.34
Debt Service & Interest		263,444.92						263,444.92
Cape Cod Commission Programs				3,888,712.95				3,888,712.95
TOTAL APPR EXPENDITURES		17,543,543.89	1,405,974.90	3,888,712.95				22,838,231.74

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
OTHER FUNDS								
0025 Dredge Operating Fund	1,447,978.61				1,215,850.23	832,392.45	1,831,436.39	
8004 Life Insurance Fund	412,758.37				76,483.73	54,778.60	434,463.50	
COUNTY COMMISSIONERS								
8072 Human Rights Commission	2.10				0.00	0.00	2.10	
8094 Bike Safety	991.80				0.00	0.00	991.80	
8099 Fire Training Academy Clean-up	140,324.87				300,000.00	390,075.06	50,249.81	
8103 Mercy Otis Warren					2,448.30	125.37	2,322.93	
RESOURCE DEVELOPMENT								
8029 AmeriCorps Donations	2,432.47				0.00	0.00	2,432.47	
8039 AmeriCorps Grant Match	0.00				125,440.00	125,440.00	0.00	
8043 Grant Writing	687.05				0.00	0.00	687.05	
8070 Human Services Grt Management 6/15	0.00				79,980.00	73,712.50	6,267.50	
8086 Human Services Grt Management 6/16	(19,505.00)				39,010.00	19,505.00	0.00	
CAPE LIGHT COMPACT								
0026/0027 Energy Efficiency Funds	1,503.69				0.00	(225.00)	1,728.69	
0033 Energy Efficiency Fund	8,212,347.52				20,515,727.05	17,186,736.61	11,541,337.96	
0034 Energy Efficiency Program 2017					15,861,711.33	12,789,169.06	3,072,542.27	
0035 CLC Reserve Fund					120,000.00		120,000.00	
2006 Solarize Our Schools Fund	78,460.18				0.00	0.00	78,460.18	
8046 Power Supply Reserve Fund	1,122,044.74				6,682,892.36	6,903,447.23	901,489.87	
8074 CLC Operating Fund	297,798.42				1,185,947.23	1,415,573.84	68,171.81	
8075 CLC Green Fund	211,974.18				52,108.68	92,010.00	172,072.86	
FACILITIES								
8016 Court/Building Renovations	(18,147.21)				55,891.00	44,981.27	(7,237.48)	
8098 Innovation Room Building	(46.54)				40,296.60	64,171.99	(23,921.93)	



FY'17

TREASURER



TREASURER

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
COOPERATIVE EXTENSION								
8024 Groundwater Guardian Program	6,170.00				3,447.50	1,593.24	8,024.26	
8050 Natural Resources Courses	24,517.40				6,660.00	4,590.17	26,587.23	
8051 Calendars/Books/Posters	3,589.43				2,587.00	1,824.00	4,352.43	
8052 Food Sanitation Courses	19,463.50				0.00	14,881.75	4,581.75	
8054 Coastal Explorer Program	114,478.58				7,550.00	11,632.61	110,395.97	
8055 Aqua Disease Diagnosis	13,028.81				0.00	0.00	13,028.81	
8056 Fin Fish Services	9,435.00				0.00	0.00	9,435.00	
8057 Lyme Disease Administration	17,153.43				400.00	0.00	17,553.43	
8058 Municipal Shade Tree Nursery	6,408.81				5,660.00	3,744.46	8,324.35	
8078 Buy Fresh/Buy Local Program	17,587.17				300.00	0.00	17,887.17	
8080 Household Hazardous Waste	26,213.20				18,435.76	17,422.32	27,226.64	
REGISTRY OF DEEDS								
8002 Revenue Stabilization	426,233.35				9,312.97	0.00	435,546.32	
8003 Technology Fund	639,070.46				0.00	194,249.90	444,820.56	

The Commonwealth of Massachusetts
Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
HEALTH & ENVIRONMENT								
0029 Septic System Residential Loan Program	8,511,502.17				4,496,469.82	5,323,288.09	7,684,683.90	
0031 Septic System Loan Admin Fund	2,632,529.69				657,827.02	324,823.13	2,965,533.58	
0032 Septic System Commercial Loan Program	413,663.56				135,218.85	243,370.70	305,511.71	
3005 Alt Test Center-Clearpod System	64.25				0.00	0.00	64.25	
8009 Influenza/Vaccine Clinics	6,134.86				88,745.76	69,179.47	94,880.62	
8010 Lab Analysis	136.40				132,706.10	132,296.99	545.51	
8011 Alternative Septic System Test	212,221.97				158,429.54	149,133.36	221,518.15	
8037 Beach Monitoring Program	97,880.58				21,888.00	29,630.23	90,138.35	
8065 Environmental Journal	4,101.00				0.00	0.00	4,101.00	
8079 Innovative Altern Septic System	40,225.22				91,675.00	103,878.02	28,022.20	
8087 Tank Removal/Replac Loan Program	60,675.88				1,151.56	0.00	61,827.44	
8088 Emergency Sheltering	12,688.22				0.00	0.00	12,688.22	
8089 Falmouth Alternative to Sewering	12,230.00				0.00	5,443.00	6,787.00	
8100 Envir Health/Safety Training Courses	1,240.80				0.00	316.75	924.05	
HUMAN SERVICES								
8014 Community Education	1,114.76				11,000.00	9,703.23	2,411.53	
8071 Information Service	4,075.76				0.00	0.00	4,075.76	
8091 SHINE Fund Donations	42,196.91				1,096.92	2,653.80	40,640.03	
8096 Oral Health Excellence Collaborative	33,634.50				0.00	0.00	33,634.50	
CHILDREN'S COVE								
8012 Conferences	88.44				0.00	0.00	88.44	



FY'17

TREASURER

TREASURER

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
CAPE COD COMMISSION								
8017 General Forums/Meetings	11.86				0.00	0.00	11.86	
8021 Flushing Studies	2,975.00				0.00	0.00	2,975.00	
8022 Underground Utilities	1,428.06				0.00	0.00	1,428.06	
8023 Mitigation Funds	2,876,869.19				342,526.45	268,059.83	2,951,335.81	
8061 Affordable Housing/Home Program	25,036.78				0.00	19,349.00	5,687.78	
8085 Permits/Licenses/Inspections	52,088.09				0.00	0.00	52,088.09	
EDC-0004 License Plate	83,383.21				361,007.46	338,049.86	106,340.81	
MISCELLANEOUS								
8005 Workers' Comp Reserve Fund	53,161.80				63,440.67	30,496.12	86,106.35	
8006 Unemployment Comp Reserve Fund	1,534.28				34,721.43	(136,533.81)	172,789.52	
8040 Airplane Fund	4,008.26				0.00	0.00	4,008.26	
8041 Statue Fund	773.30				0.00	823.30	(50.00)	
8044 Professional Development	279.38				0.00	0.00	279.38	
8045 MWRA/Bays Legal	6,208.34				0.00	0.00	6,208.34	
8048 Wellness Fund	(25,033.03)				46,696.98	17,299.89	21,663.95	
8077 Cape Cod Compassion	125.00				0.00	0.00	125.00	
8095 Renewable Energy Net Metering	36,965.01				25,975.99	18,458.18	44,482.82	
Subtotal	28,421,173.89	0.00	0.00	0.00	53,078,717.29	47,191,551.57	34,394,818.97	

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
FEDERAL GRANTS/CONTRACTS								
RESOURCE DEVELOPMENT OFFICE								
2002 AmeriCorps 08/16	(66,060.18)				118,842.05	52,671.05	110.82	
2003 AmeriCorps 08/15	0.00				339,640.40	350,225.55	(10,585.15)	
2129 Martin Luther King Day Project	0.00				3,428.96	3,428.96	0.00	
COOPERATIVE EXTENSION								
2009 Coastal Geologist 01/17	(33,378.59)				152,639.87	119,261.28	0.00	
2068 Nutrition 09/15					15,417.23	15,417.23	0.00	
2230 Nutrition 09/16	(7,152.01)				12,546.99	5,394.98	0.00	
2236 Coastal Geologist					26,695.29	53,380.28	(26,684.99)	
2252 Floodplain Outreach	(2,318.40)				31,926.94	29,608.54	0.00	
2276 Stormwater Treatment Systems	(6,997.53)				10,156.65	3,159.12	0.00	
2290 Aquaculture Siting/Permitting Tool					4,842.00	4,842.00	0.00	
HEALTH & ENVIRONMENTAL								
0103 Tobacco 06/16	12,069.68				0.00	12,069.68	0.00	
2108 MA Decontamination Units					4,000.00	4,000.00		
2120 Health & Medical Coord Coalition	756.30				139,987.00	129,823.75	10,919.55	
2132 Nat'l Assoc Cnty/City Health Off 07/14	1,866.25				0.00	0.00	1,866.25	
2258 Nat'l Assoc Cnty/City Health Off 07/15	3,500.00				0.00	0.00	3,500.00	
2285 HazMat Emergency Preparedness	(2,373.69)				2,373.69	0.00	0.00	
2291 Passive Nitrogen Removal Septic System						6,674.44	(6,674.44)	
4014 Test Center XIV	(24,325.67)				61,757.70	50,300.39	(12,868.36)	



FY'17

TREASURER



The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
4015 Test Center XV					62,233.88	48,859.70	13,374.18	
8081 Emergency Management	14,879.16				0.00	2,720.43	12,158.73	
HUMAN SERVICES								
2023 HUD/HOME Program	(7,287.26)				825,046.38	818,653.49	(894.37)	
2220 Serving Health Needs of Everyone	(7,326.05)				55,899.01	61,368.25	(12,795.29)	
2227 SHINE Duals 1 Care	(6,699.94)				6,699.94	2,348.01	(2,348.01)	
2266 Continuum of Care 13								
2271 Continuum of Care 14	(13,481.77)				20,302.00	6,820.23	0.00	
2268 Opioid Abuse Prevention 06/16	(11,692.12)				166,255.56	146,647.31	7,916.13	
2270 Substance Abuse Preventn Collab	(17,696.18)				121,081.45	104,470.54	(1,085.27)	
2289 Continuum of Care Support Services					7,025.00	7,025.00	0.00	
2785 SHINE					13,819.10		13,819.10	
CHILDREN'S COVE								
2260 National Children's Alliance 12/15	0.00				9,000.00	9,000.00	0.00	
CAPE COD COMMISSION								
2025 Pre-Disaster Mitigation	6,882.93				19,624.11	11,353.78	15,153.26	
2168 Economic Develop Admin	9,162.21				0.00	9,162.21	0.00	
2275 Economic Develop Admin 06/16	(1,815.93)				109,999.63	69,998.79	38,184.91	
2201 Joint Land Use Study	657.03			0.00	0.00	657.03	0.00	
2233 Hazard Mitigation	(322.22)			0.00	12,539.64	9,260.66	2,956.76	
2242 Bike/Pedestrian Master Plan	45,479.16			0.00	0.00	45,479.16	0.00	
2281 Nature Con Healthy Community	784.59				8,872.35	23,726.14	(14,069.20)	
2282 Resilient Cape Cod	(2,237.78)				70,956.65	46,236.18	22,482.69	
2286 Bike Rack Program	0.00				34,773.92	34,773.92	0.00	
Total Federal Grants/Contracts	(125,214.76)	0.00	0.00	0.00	2,490,764.43	2,310,078.12	55,471.55	

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
COOPERATIVE EXTENSION								
2049 SEMAC 06/16	40,708.64				0.00	40,708.64	0.00	
2117 Buy Fresh/Buy Local					16,667.00	11,827.00	4,840.00	
2216 Southeastern MA Aqua Center 6/17					37,500.00	4,052.61	33,447.39	
2195 Buy Fresh/Buy Local	(15,000.00)				15,000.00		0.00	
2246 Municipal Asst Host Comm	(10,858.40)				80,105.50	71,828.49	(2,581.39)	
2259 River Herring Network	0.00				500.00	500.00	0.00	
2296 Sustainable Materials Recovery					2,000.00	2,000.00	0.00	
HEALTH & ENVIRONMENTAL								
2243 Tobacco 06/15								
2125 Medical Reserve Corps 06/15								
2204 Medical Reserve Corps 06/16		6,994.87					6,994.87	0.00
2248 Cape Cod Hoarding Taskforce	0.00				3,200.00	3,200.00	0.00	
HUMAN SERVICES								
2234 Prevention Wellness Trust								
2254 Prevention Wellness Trust Implem	482,285.32				1,135,597.43	948,578.21	187,019.22	
2256 Opioid Abuse Prevention Collab 06/15	(8,612.56)				0.00	478,858.27	3,427.05	
2283 Opioid Abuse Prevention Collab 06/16	0.00				17,762.56	9,150.00	(8,612.56)	
CHILDREN'S COVE								
0100 S.A.I.N.	0.00							
0104 DCF Child Advocacy Center	(5,424.61)				75,400.00	75,400.00	0.00	
2076 MA Children's Alliance	830.00				35,000.00	35,830.00	0.00	



FY'17

TREASURER

TREASURER

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
CAPE COD COMMISSION								
2209 Cap Plang/Design-208 Plan Update	(12,706.09)			0.00	96,580.94	83,874.85	0.00	
2247 Tech Asst to Municipalities 12/15	49,518.63			0.00	0.00	49,518.63	0.00	
2277 Tech Asst to Municipalities 12/16	145,387.91				0.00	103,613.48	41,774.43	
2265 Pedestrian/Bike Traffic Safety	0.00					0.00	0.00	
2284 Water Quality Planning/Monitoring	(505,204.35)				1,124,111.80	486,037.36	132,870.09	
2288 Blue Economy					157,137.20	136,821.71	20,315.49	
2293 District Local Technical Assistance 12/17					186,965.00	4,253.68	182,711.32	
TOTAL STATE GRANTS/CONTRACTS	167,919.36	0.00	0.00	0.00	3,273,317.81	2,832,103.52	609,133.65	
OTHER GRANTS/CONTRACTS								
INFORMATION TECHNOLOGY SERVICES								
8097 Regional IT Services	(6,669.10)				6,669.10	0.00	0.00	
RESOURCE DEVELOPMENT OFFICE								
2264 Plastic Breeze	0.00				0.00	0.00	0.00	
2279 Pathways Internship	130.42				1,500.00	1,500.00	130.42	
COOPERATIVE EXTENSION								
2278 Hyannis West Elementary Garden 16	2,119.66					1,767.66	352.00	
2280 Tick Testing	0.00				14,565.00	14,565.00	0.00	
2287 Pesticide Waste Characterization	1,900.00				0.00	1,900.00	0.00	
2295 Tick Testing Program 9/17					29,155.00	28,398.00	757.00	
HEALTH & ENVIRONMENTAL								
0030 Orleans Sanitation	(9,536.77)				41,436.77	31,548.47	351.53	
2207 Hoarding Intervention Strategy					3,000.00	25.00	2,975.00	
8092 Provincetown Sanitation / Inspections					11,594.84	8,947.32	2,647.52	
8101 Hoarding Task Force					360.00	167.60	192.40	

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod CommFunds 0010-0015	Receipts	Payments	All Other Fund Balances	Totals
HUMAN SERVICES								
2249 Cape Cod Healthcare SHINE	0.00				50,000.00	46,834.00	3,166.00	
2292 911 Good Samaritan Law					13,000.00	3,262.50	9,737.50	
2297 Your Choice Matters					6,250.00	2,787.00	3,463.00	
2530 SHINE					25,000.00		25,000.00	
CAPE COD COMMISSION								
2146 Reg Economic Strategy Exec Team	303,597.18				290,000.00	457,800.73	135,796.45	
2267 Provincetown Parking Study	10,566.50				0.00	10,566.50	0.00	
2273 Three Bays Preservation Agreement		(17,500.00)				17,500.00	0.00	0.00
2298 Bourne Economic Development					25,000.00	466.35	24,533.65	
TOTAL OTHER GRANTS/CONTRACTS	284,607.89			0.00	535,030.71	610,536.13	209,102.47	
TOTAL OTHER FUNDS	28,748,486.38	0.00	0.00	0.00	59,377,830.24	52,944,269.34	35,268,526.64	
OTHER ACCOUNTS								
Accounts Receivable	(1,733,131.87)				13,164,166.76	14,085,232.97	(2,654,198.08)	
BCRA & CVEC P/R & Dedctn Reimb	(17,650.25)				905,567.50	933,980.03	(46,062.78)	
Septic & RUST Loans Receivable		(15,271,114.31)				18,952,333.05	18,876,320.36	(15,195,101.62)
Deferred Revenue-Septic & RUST Loans	15,271,114.31				18,876,320.36	18,952,333.05	15,195,101.62	
Warrants Payable	1,044,077.61				65,482,857.16	66,526,979.97	(45.20)	
Accrued Expenditures	2,199,115.33				7,265.98	2,204,380.21	2,001.10	
Accrued P/R & Deductions	1,151,666.62				8,215,929.69	9,149,458.13	218,138.18	
Escrow Deposits	275,924.55				6,175.49	94,091.21	188,008.83	
Armt To Be Provided-Obligations-MCWT	(23,578,945.00)				1,464,211.00		(22,114,734.00)	
Bonds Payable-MCWT	23,578,945.00				0.00	1,464,211.00	22,114,734.00	
Bond Anticipation Note Payable	2,207,100.00				3,497,100.00	2,207,100.00	3,497,100.00	
Inter-Fund Transfers		(517,205.00)					517,205.00	
TOTAL FUND BALANCES 6/30/17	33,875,588.37	9,493,229.90	(10,106,994.61)	4,389,338.74			36,990,673.69	40,766,247.72



FY'17

TREASURER

The Commonwealth of Massachusetts

Statement of the Receipts and Payments of the Treasurer of Barnstable County for the Fiscal Year Ending June 30, 2017

Description	7/1/2016 Balance	General Fund 0001	Capital Projects Fund 0005	Cape Cod Comm Funds 0010-0015	BANK ACCOUNT BALANCES AS OF 6/30/17	
Statutory Reserve		312,304.00	0.00	0.00	TD Bank - NOW	347,063.14
Encumbrance Reserve		1,014,441.94	0.00	56,900.41	TD Bank - Governmental Investment Account	7,517,221.92
Continuing Appropriations Reserve		598,859.41	0.00	145,502.96	TD Bank - Municipal Checking	153,537.67
Health & Dental Insurance Reserve		121,305.00	0.00	0.00	TD Bank - Payroll	19,659.37
Unemployment Compensation Reserve		150,000.00	0.00	13,000.00	TD Bank - Escrow Accounts	282,100.04
Workers' Compensation Reserve		200,000.00	0.00	0.00	TD Bank - Power Supply Reserve Fund	3,671,194.57
Capital Trust Fund		1,000,000.00	0.00	0.00	TD Bank - Court Rental	7,090.01
Restricted Personnel Expenses Reserve		0.00	0.00	500,000.00	HarborOne Bank - Mitigation Fund	2,931,006.28
RECEIPTS RESERVED FOR APPROPRIATION:						
Appropriated for FY18 Budget		0.00	0.00	647,002.00	TD Bank - CLIC: Energy Fund-Money Market	14,368,999.09
Salary Reserve		315,000.00	0.00	0.00	Cape Cod 5 Cents Savings Bank-Money Market	2,794,524.25
STABILIZATION FUND:						
Vehicle Replacement Reserve		217,795.00	0.00	0.00	Cape Cod 5 Cents Savings Bank-Certificate of Deposit	428,637.00
Legal Reserve		450,000.00	0.00	750,000.00	Rockland Trust-Vendor	(3,563,388.28)
Insurance Reserve		300,000.00	0.00	0.00	Rockland Trust-Payroll	(75,204.29)
Unfunded Pension Liability Reserve		540,000.00	0.00	0.00	Rockland Trust-Money Market	2,129,574.64
Early Retirement Liability Reserve		150,000.00	0.00	0.00	The Cooperative Bank of Cape Cod-Depository	204,802.78
Project Stabilization Reserve		318,000.00	0.00	0.00	The Cooperative Bank of Cape Cod-Money Market	4,040,200.58
Other Post Employment Benefits Reserve		522,000.00	0.00	0.00	Investments	404,426.46
CAPITAL IMPROVEMENTS RESERVE:						
Building Reserve		0.00	0.00	225,000.00	Petty Cash	75.00
Unassigned Fund Balances		3,283,524.55	(10,106,994.61)	2,051,933.37	HarborOne Bank - Money Market	4,505,828.14
					Century Bank - Money Market	501,699.87
					TD Bank - Certificate of Deposit	97,199.48
					Total Treasury	40,766,247.72

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE ENCLOSED STATEMENT AND SUPPLEMENTAL SCHEDULES ARE TRUE ACCOUNTS OF ALL SUMS OF MONEY WHICH HAVE IN ANY WAY BEEN RECEIVED BY ME, OR TO MY USE, BY REASON OR ON ACCOUNT OF MY OFFICE, OR IN MY OFFICIAL CAPACITY, AND OF ALL PAYMENTS MADE FOR THE YEAR ENDING JUNE 30, 2016.

Mary McIsaac
County Treasurer/Finance Director

Outstanding Debt 06-30-2017

Purpose of Loan	Issue Date	Maturity Date	Original Note/Bond	Rate %	Payable	06-30-2015 O/S Princ	New Debt Issued	FY16 Retirements	06-30-2016 O/S Princ	Princ Payable in FY17
T5-05-1685										
Community Septic Mgt Program Bond	3/18/09	7/15/27	2,850,000	0.00%	Annually	1,800,000		150,000	1,650,000	150,000
T5-05-1685-A										
Community Septic Mgt Program Bond	7/8/10	7/15/30	3,000,000	0.00%	Annually	2,250,000		150,000	2,100,000	150,000
T5-05-1685-B										
Community Septic Mgt Program Bond	11/22/10	7/15/29	2,550,000	0.00%	Annually	1,878,945		134,211	1,744,734	134,211
T5-05-1685-C										
Community Septic Mgt Program Bond	11/22/10	7/15/30	3,600,000	0.00%	Annually	2,700,000		180,000	2,520,000	180,000
T5-05-1685-D										
Community Septic Mgt Program Bond	8/15/12	1/15/35	5,000,000	0.00%	Annually	4,750,000		250,000	4,500,000	250,000
T5-05-1685-E										
Community Septic Mgt Program Bond	5/22/13	1/15/33	4,000,000	0.00%	Annually	3,400,000		200,000	3,200,000	200,000
T5-05-1685-F										
Community Septic Mgt Program Bond	5/22/13	1/15/33	3,000,000	0.00%	Annually	2,550,000		150,000	2,400,000	150,000
T5-05-1685-G										
Community Septic Mgt Program Bond	5/22/13	1/15/33	5,000,000	0.00%	Annually	4,250,000		250,000	4,000,000	250,000
Bond Anticipation Notes	5/18/17	9/22/17	3,497,100	1.20%	At Maturity	2,207,100	3,497,100	2,207,100	3,497,100	3,497,100
Totals			29,647,100			23,986,045	3,497,100	3,521,311	23,961,834	4,811,311

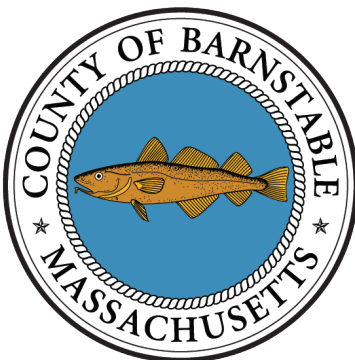




FY'17

TREASURER

Report of the Barnstable County **PURCHASING DIVISION**





Barnstable County Purchasing Division

Superior Courthouse
P.O. Box 427, 3195 Main Street
Barnstable, MA 02630

purchasing.barnstablecounty.org

Elaine Davis, Chief Procurement Officer
 508-375-6637 | edavis@barnstablecounty.org

The Barnstable County Purchasing Division continues to work with towns and departments to ensure that the best prices are obtained when purchasing goods and services. Since 1979, the County has maintained a centralized purchasing system, which is utilized by county departments, as well as the towns within Barnstable County. Through the coordination of bids, town and county departments are able to take advantage of the cost savings involved with the procurement of goods and services in large volumes.

The Purchasing Division adheres to the procurement policies for local governments set by the Massachusetts Legislature through Chapter 30B, Chapter 30,39M and Chapter 149 of the Massachusetts General Laws. These regulations were enacted in an effort to foster effective competition and to avoid price discrimination and unfair methods of competition. They also help to prevent “favoritism” in the awarding of contracts as bids are awarded to the responsive, responsible bidder offering the lowest price.

Collective Bids

Many of the towns of Barnstable County partner with County Purchasing to solicit bids collectively. In Fiscal Year 2017, the Purchasing Division took the lead in the coordination of bids for the following goods and services:

Trades Persons List: The Municipal Modernization Act which was enacted into law in 2016 allows for municipalities to establish a “blanket” list of pre-approved tradespersons to be used to procure construction projects that are estimated to cost between \$10,000 and \$50,000. Barnstable County Purchasing worked with the towns in the County and the Massachusetts

Office of the Attorney General to establish a “blanket” list of pre-approved tradespersons. The list includes sixty vendors offering services in a variety of trades categories. By requesting quotes from vendors on this approved list, municipalities can save time procuring small projects by avoiding the lengthy advertising requirements that would otherwise need to be followed.

Supply and Delivery of Fuel Oil: The Purchasing Division organized a collaborative bid for the supply and delivery of fuel oil to thirty-three municipal buildings across the County for an estimated total of 109,000 gallons of heating oil.

Supply and Delivery of Gasoline and Diesel Fuel: Various municipal entities, schools, fire districts, water districts across Barnstable County along with County Dredge participated in a collaborative bid for over 1,900,000 gallons of gasoline and diesel fuel.

Roadway Materials, Miscellaneous Public Works, Crack-Filling and Road Resurfacing: Twelve towns participated in these bids for a variety of road construction and resurfacing items. The bids for Roadway Construction were renewed from the previous year. The estimated value of these bids is over \$4 million.

Golf Course Materials and Services: Municipal golf courses and other municipal departments receive discounted prices on materials such as fertilizers, fungicides, growth regulators and insecticides through this bid.

Office Supplies and Toners: The Purchasing Division issued a bid for 132 different toners used by County and municipal offices. The contract for office supplies, which was bid last year, was renewed with WB Mason. This contract provides a 58.15% discount on most office

supplies in the United Stationer's Catalog, as well as a substantial discount on a market basket of frequently purchased office supplies. Pricing for all office supplies and toners from these bids is published in the Barnstable County Supply Catalog which is produced by the Purchasing Division and is distributed electronically to all county and town departments. It can also be found on the purchasing website at: purchasing.barnstablecounty.org

Supply and Delivery of Caustic-Potash (potassium Hydroxide – KOH), Sodium Hypochlorite, Sodium Hydroxide, Hydrated Lime and Citric Acid: Eleven water departments participated in this bid for chemicals commonly used by water departments.

Bulk Purchase of Copy Paper: The Purchasing Division solicited bids for the purchase of 8,176 cases of copy paper for bulk delivery to eleven school districts in Barnstable County and Nantucket. By purchasing in bulk, the schools saved \$10.14 per case over the cost of purchasing the cases individually which represents a total savings of \$82,904.

Portable Toilets: This bid is for the lease and maintenance of portable toilets for use at special events, in beach or park areas and other applications where temporary or permanent portable units may be required.

Remote Set Oysters, Hard Clam (Quahog) Seed and Single Oyster Seed: These bids are procured on behalf of the Barnstable County Division of Marine Fisheries Municipal Shellfish Propagation Program. The product is distributed to participating towns within the county.

Elevator Maintenance and Repair: The County solicited collaborative bids for elevator repair and maintenance which also included the towns of Barnstable, Harwich, Wellfleet and the Sandwich Schools. The vendor chosen through this bid provides regular maintenance and inspections on the elevators in the municipal buildings.

On Call Electricians and Plumbers: Four (4) towns joined the County in a collaborative bid for on-call electricians and plumbers. This bid allows municipalities to contract with a specific vendor

to provide on-call service with plumbing or electrical issues which are estimated to cost under \$50,000.

Actuarial Services – A Request for Proposals was issued on behalf of the member units of the Retirement Systems of Cape Cod and the Islands for actuarial studies for “other post-employment benefits” (OPEB). The contractor awarded this contract will assist municipalities with assessing their OPEB liability, help determine future budgeting, make recommendations on managing the liability and provide options for the establishment of an OPEB trust fund.

County Bids

Aside from the collective bids, the Purchasing Division also solicited the following bids on behalf of the County departments:

- Repairs to the Dredge and other Supporting Vessels
- Administration of the Home Down Payment and Closing Cost Program (DPCC)
- Marketing Services for the Regional Substance Abuse Council
- Regional Housing Needs and Market Analysis Forecast
- Coordination of Continuum of Care and Implementation of a Coordinated Entry System
- Qualified firm to Perform County Audits
- Demolition of Interior Portions of the Former House of Corrections
- Water Quality Monitoring
- Monitoring of HOME Consortium

PURCHASE ORDERS: County policy requires County departments to request purchase orders for purchases over \$100.00. The Purchasing Division processed 4195 purchase orders for County departments during Fiscal Year 2017.

WEBSITE: The Barnstable County Purchasing website has proven to be a cost saving and efficient way of posting bids and ordering supplies. Bids are posted on the website for



vendors to view and download, thus eliminating the expense of printing and mailing bid specifications. Towns can order their office, and toner supplies through the online ordering system, creating a more efficient and dependable method of ordering. The website can be viewed at: purchasing.barnstablecounty.org

Cape Cod Association of Public Purchasing Officials

The Cape Cod Association of Public Purchasing Officials (CCAPPO) was established by the County in 2006 to provide education and networking for local officials who are involved in the procurement duties in their towns. Participants can earn credits toward re-certification for the Massachusetts Certified Public Purchasing Official (MCPPO) designation through attendance at these meetings. CCAPPO met bi-monthly with presenters on topics of interest to procurement officials.

In conclusion

The Purchasing Division will continue its goals of encouraging fair competition, obtaining best

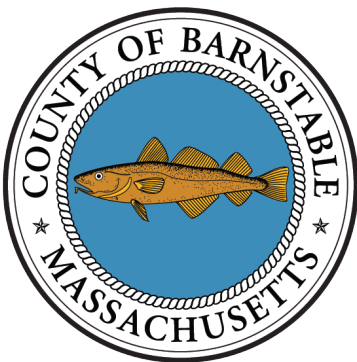
value, ensuring the ongoing accountability of public funds, educating those who are involved in the public procurement process, and exploring new ways to help the county and towns save money through collective purchasing.

Respectfully Submitted,

Elaine Davis

Chief Procurement Officer

Report of the
**CAPE COD
COMMISSION**





Cape Cod Commission

P.O. Box 226

3225 Main Street

Barnstable, MA 02630

508-362-3228 | Fax: 508-362-3136

**CAPE COD
COMMISSION**

frontdesk@capecodcommission.org
www.capecodcommission.org, www.statscapecod.org

About the Cape Cod Commission

The Commission works toward maintaining a healthy balance between economic progress and environmental vitality. "Keeping a special place special" describes the agency's mission to protect the region's unique qualities.

The 19-member appointed Cape Cod Commission board represents a wide spectrum of the region and provides oversight for a staff of 40 professionals.

This report represents broad areas of the Commission's work and responsibilities, highlighting several specific projects and initiatives.

Fiscal Year 2017 Appointed Representatives

Officers:

Chair: Harold "Woody" Mitchell (Sandwich)

Vice Chair: Jack McCormack Jr. (Yarmouth)

Secretary: Roger Putnam (Wellfleet)

Members

Barnstable: Royden Richardson

Bourne: Richard Conron

Brewster: Elizabeth Taylor

Chatham: Michael J. Skelley

Dennis: Richard Roy

Eastham: Joy Brookshire

Falmouth: Charles McCaffery

Harwich: Jacqueline Etsten

Mashpee: Ernest Virgilio

Orleans: Leonard Short

Provincetown: John Krajovik, then vacant

Sandwich: Harold "Woody" Mitchell

Truro: Kevin Grunwald

Wellfleet: Roger Putnam

Yarmouth: Jack McCormack Jr.

County Commissioner: Mary Pat Flynn

Minority Representative: John D. Harris

Native American Representative: David Weeden

Governor's Appointee: Michael Maxim (from 11/2016)

Administration

Paul Niedzwiecki, Executive Director

Patty Daley, Deputy Director
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Kristy Senatori, Deputy Director
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Stephanie Houghton, Special Projects Coordinator

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Economic Development

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Mahesh Ramachandran, Environmental Economist (through 06/2017)

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Heather Cormier, GIS Analyst
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Phil (Jay) Detjens, Applications Manager
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Shawn Goulet, Geospatial Developer
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Jessica Wielgus, Commission Counsel
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Planning & Community Design

Phil Dascombe, Community Design Manager
(through 07/2016)

Caroline (Cally) Harper, Planner II / Coastal Resiliency Specialist (through 02/2017)

Heather Harper, Community Design / Affordable Housing Specialist
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Martha Hevenor, Planner II
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Sarah Korjeff, Planner II (Historic Preservation Specialist)
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Heather McElroy, Natural Resources/Land Protection Specialist
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Sharon Rooney, Chief Planner
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Chloe Schaefer, Community Design Planner
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Regulatory

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Jeffrey Ribeiro, Regulatory Officer II

Michele White, Regulatory Officer II
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(through 08/2016)

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Steven Tupper, Transportation Planner
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Monica Mejia, Hydrologist

Scott Michaud, Hydrologist II
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WATER QUALITY INITIATIVES

Wastewater

The 2017 Implementation Report for the Cape Cod Water Quality Management Plan was released Nov. 1, 2017. The Report highlights the region's progress toward water quality goals since plan certification and approval in 2015 and outlines future actions to achieve improved water quality in the region. It also includes updated watershed reports charting progress made in 53 embayment watersheds.

A proposed change to the Commission's enabling regulations to change the review of local comprehensive wastewater management plans. The changes allow for staff-level review of such plans and sign-off by the executive director and are intended to provide more efficient and timely review. Action on the amended language is expected in early 2018 by the Barnstable County Board of Regional Commissioners and Assembly of Delegates.

capecodcommission.org/208

Stormwater

The Cape Cod Commission was awarded \$50,000 to create a stormwater management coalition to help Cape communities meet stormwater management requirements.

The grant award was formally announced by Energy and Environmental Affairs Secretary Matthew A. Beaton during his June 22, 2017 keynote speech at the OneCape Summit in Hyannis. The grant will fund work to inventory existing stormwater management resources, a needs assessment, collaborative strategies for towns and a Cape-tailored set of policies and standard operating procedures.

The Commission convened stormwater managers from all Cape towns in Fall 2017 to further define the role of the coalition and identify potential structures for a regional management entity.

Cape Cod Water Protection Collaborative

In June 2017, The Barnstable County Board

of Regional Commissioners and Assembly of Delegates approved an ordinance reestablishing the Cape Cod Water Protection Collaborative. Under the ordinance, the Cape Cod Commission was tasked to serve as administrative and technical staff to the Collaborative.

The Collaborative's re-stated mission reads, "To protect Cape Cod's shared water resources by promoting and supporting the coordinated, cost effective and environmentally sound development and implementation of local water quality initiatives, including, but not limited to watershed management plans required by section 208 of the Federal Clean Water Act."

The reformed Collaborative serves as the advisory committee to the Section 208 Regional Water Quality Management Plan. In this role, the collaborative will review and advise on aspects of the 208 Plan and track towns as they move through implementation. The Collaborative maintains its role in providing regional support for water quality initiative, including technical assistance, legislative recommendations and establishment of the Regional Wastewater Management Plan, in conjunction with County staff.

OneCape

The Commission partnered with The Nature Conservancy to host a fourth regional wastewater summit in June 2017. The OneCape summit drew approximately 400 attendees over two days. The first day focused on progress made toward implementation of the Cape Cod Water Quality Management Plan, better known as the 208 Plan. Day One also featured a Technology Innovation Showcase with 20 regional and national exhibitors. The showcase was a cooperative effort of TNC, the Blue Economy Project of the Cape Cod Chamber of Commerce, the NorthEast Water Innovation Network and the Blue Institute of Cape Cod, Inc.

For the third time, the OneCape Summit hosted the Cape Cod Selectmen and Councilors Association, providing an opportunity for the Cape's elected leaders to receive information and ask questions of federal, state and regional decision makers. Leo Cakounes, chairman



The fourth annual OneCape Summit held in June 2017 expanded its regional focus to include housing and infrastructure, as well as water quality. More than 400 attended the two-day conference.



of the Barnstable County Board of Regional Commissioners, addressed the evening session. He provided an overview of county services and asked town elected officials to complete a survey to help guide future county services and decisions. The second day of the summit featured a broader range of regional issues, including housing, coastal resiliency and the Cape's economy.

OneCape awards were presented to Andrew Gottlieb, former executive director of the Cape Cod Wastewater Collaborative, current Executive director of the Association to Preserve Cape Cod and an elected Selectmen from Mashpee. The OneCape Award recognizing an organization went to the Pleasant Bay Alliance, a four-town partnership focusing on the largest shared embayment on the Lower Cape for the past 20 years.

Dredge Management

Working with the Barnstable County Administrator's office and a review committee, the commission provided technical assistance to develop more robust planning for the County Dredge Program.

Regulatory

Through its Regulatory Program, the Cape Cod Commission reviews projects that present regional issues identified in the Act, including water quality, traffic flow, community character, affordable housing, open space, natural resources, and economic development as Developments of Regional Impact (DRIs).



DECISIONS

12/12/16

Barnstable

- Village at Barnstable, Amend & Restated Development Agreement, Approved, 12/1/16
- Old Falmouth Road Solar, Development of Regional Impact (DRI) Scoping Decision, Approved, 11/10/16
- Greenside Office Park, Limited DRI Scoping, Approved, 2/7/17
- Rose Motel-Lakeside Commons, Modification Type 2, *Approved*, 6/8/17

Bourne

- Convention Data Services Headquarters, DRI Scoping Decision, Approved, 10/13/16
- Atlantic Subaru (fka Subaru of New England), Minor Modification -2, Approved - CPR, 8/4/16

Dennis

- Longest Drive (fka Crowell Golf Driving Range), Section 14 Certificate, *Approved*, 10/28/16

Falmouth

- The Cape Club Redevelopment, DRI, *Approved*, 3/2/17

Harwich

- Town of Harwich CWMP, DRI, *Approved*, 8/18/16

Mashpee

- 151 North Market Street (Mashpee Commons), Modification Type 1, Approved, 6/5/17
- SouthCape Village, Modification Type 2, *Approved*, 5/11/17

Orleans

- HH Snow Inc. d.b.a. Snow's Home and Garden, Minor Modification -1, *Approved*,

Sandwich

- Canal Unit 3, DRI, Approved, 12/1/16
- Spaulding Rehabilitation Hospital Cape Cod, Minor Modification -1, Approved, 7/26/16
- Atkins Road Subdivision, Modification Type 1, *Approved*, 6/15/17
- Seacoast Sandwich Tower, Modification Type 1, *Approved*, 6/30/17
- Lookout Ridge Subdivision, Permit Extension DRI/Hardship Exemption Decision, Approved - CPR, 7/21/16
- Cape Crossing Commercial Subdivision, *Procedural Denial w/o prejudice*, 12/15/16

Strategic Information Office

RWAN contract extended

On June 28, the Barnstable County Commissioners agreed to a six-month extension of the Region Wide Area Network, also known as the RWAN, through OpenCape.

The RWAN provides high-speed fiber Internet access to participating communities. There are 13 RWAN communities with 24 connection points across the Cape.

The initial three-year contract was set to expire at the end of June 2017. The six-month extension to the end of December 2017 was to provide time for Commission and county officials to negotiate with OpenCape and potentially other vendors.

OpenGov

In partnership with participating towns, the Commission launched a new cloud-based transparency and performance management platform: OpenGov. Performance management software allows communities to track and measure financial accountability and set benchmarks. The public-facing side of the OpenGov platform also provides for transparency in how money is collected, allocated and spent. It allows

participating towns to increase government accountability and improve access to important public information.

The information-sharing platform helps towns simplify budget planning, improve internal data management, and make important information easily accessible to residents, elected officials and administrators.

capecodcommission.org/opengov

Hazard Mitigation Planning

The Commission assisted with the development of Hazard mitigation plans for the towns of Provincetown (completed 2016), Truro, Sandwich, Mashpee, Yarmouth, Harwich and Wellfleet.

Hazard mitigation plans identify and protect vulnerable town assets and provide local actions and strategies to limit future damage from natural hazards, including coastal storms, sea level rise and flooding. Communities with approved hazard mitigation plans qualify for pre-disaster planning funds as well as remaining eligible for grant funds in the event of a natural disaster.

Regional Policy Plan

The Commission's work to update the Regional Policy Plan continued. Working with a subcommittee of the full Commission, Staff made a series of presentations throughout the spring to broaden the understanding of the update and take feedback on its direction.

The Regional Policy Plan is adopted as an ordinance of Barnstable County and serves as the Commission's regulatory and planning framework. The RPP Update is expected to simplify the Commission's regulatory approach and align its activities more closely to the purposes defined in the 1990 enabling Act.

ECONOMIC DEVELOPMENT

Second Home Survey

To better understand the role of seasonal homes, the Cape Cod Commission conducted a second of its kind survey of second home owners.

Second homeowners were asked about their homes, how they use them now and plan to in the future, and how they participate in the region's economy. The first survey was completed for the Commission in 2008.

The survey was conducted in Spring 2017 by the University of Massachusetts Donahue Institute. A random sample of 6,448 second homeowners on Cape Cod received written surveys, 1,300 of which were returned.

Survey findings will inform land-use planning, housing policy, economic development priorities and infrastructure needs across Cape Cod.

CEDS

The Commission completed the third annual update to the Barnstable County Comprehensive Economic Development Strategy (CEDS). The most recent five-year strategy was approved in 2014 and receives annual updates on progress toward identified projects.

The region's economic strategy is based on four core economic development principles: Protect and build on the region's competitive advantage, use resources efficiently; foster economic balance and diversity; and to expand opportunity and regional wealth.

capecodcommission.org/ceds

HOUSING

Housing Market Analysis

A study prepared for the Commission ties a lack of housing that meets the region's life stage and income needs to a significant increase in cost-burdened households over the next 10 years.

The study uses demographic, economic and workforce data to paint a picture of existing housing on Cape Cod, including year-round and rentals.

The report was prepared by Crane Associates and Economic and Policy Resources (EPR), both of Vt. It confirms the complex and unique pressures at play in the Cape Cod housing market. The study projects that without changes in the housing



supply to meet life stage preferences, more than half of year-round households could experience housing cost burdens by 2025.

Titled “Regional Housing Market Analysis and 10-Year Forecast of Housing Supply and Demand,” the report provides objective baseline data on the state of housing on Cape Cod, with a look 10 years down the road.

The high demand for seasonal units combined with a housing “monoculture” of single family homes constrains housing options for those looking to enter the market or downsize.

capecodcommission.org/housing

TRANSPORTATION

The Cape Cod Commission’s transportation staff provides technical expertise in transportation and traffic-related matters for the Commission, its staff, and the 15 Cape Cod towns. The Cape Cod Commission Act charges the Commission with furthering and coordinating the provision of “adequate capital facilities,” including transportation services, through the goals and standards specified in the Cape Cod Regional Policy Plan.

The Commission provides administrative and staff support for the Cape Cod Metropolitan Planning Organization (MPO) and the Cape Cod Joint Transportation Committee (CCJTC).

The CCJTC is the transportation planning advisory group, comprised of local representatives, that makes recommendations to the MPO. The MPO is comprised of local, regional, state and federal representatives, which meets to review, direct, and vote on transportation issues and projects.

The Cape Cod Unified Planning Work Program (UPWP) is developed annually by Cape Cod Commission transportation staff on behalf of the MPO. The UPWP describes all significant transportation planning activities planned on Cape Cod over the immediate 12-month period, regardless of lead organization and funding source.

Cape Cod Transportation Improvement Plan

The Cape Cod Transportation Improvement Plan, or TIP, serves as a prioritized listing of roadway, bridge, and transit projects proposed for implementation during the next five federal fiscal years. The UPWP describes all significant transportation planning activities planned on Cape Cod over the 12 month period.

The 2017-2021 TIP represents more than \$134.5 million in funded highway and transit project across Cape Cod. The 2017 Federal Fiscal Year spending allocated more than \$34.3 million.

Mashpee Corridor Studies

Route 28 through Cotuit and Mashpee received attention in two separate corridor studies, each looking to address safety and congestion issues though the area. The first study focused on the action between Santuit-Newtown to the Mashpee town line. A recommendation to realign the signalized intersection at Routes 130 and 28 received substantial comment and support. A second project looks at possible signalization option for the section of Route 28 through Orchard Road in Mashpee.

Shining Sea Bike Path

The Shining Sea Bikeway in Falmouth and the Cape Cod Canal bike paths in Bourne are well used by both residents and visitors alike. They are components of a region-wide network that allows users to travel across Cape Cod in a healthy, sustainable manner.

This study examined the feasibility of connecting these two facilities to further expand the Cape’s trail network. In addition, the Commission is working with its partners to expand the existing Cape Cod Rail Trail from Bourne to Provincetown. Completion of all the components would create a separate bike path from Woods Hole in Falmouth to Provincetown.

The Commission engaged state and local agencies, officials and advocacy groups for possible use of the existing 6.25 mile rail line from County Road in North Falmouth to the Cape Cod Canal in

Bourne.

Chatham Bike Plan

The 2017 Chatham Bike Plan was a collaboration between the Town of Chatham's Bikeways Committee and Commission transportation staff.

The Plan identifies numerous problems on Chatham roads that would be desirable to remedy, such as reducing motorist speed and installing wider shoulders or bike lanes were implemented to encourage people who want to ride bicycles to feel safe.

WATER RESOURCES

Water Staff provides technical assistance to towns, citizens and the County on water resources projects including: water supply, wastewater and stormwater management, fresh water ponds and marine waters.

Project assistance included numerous technical assessments, Cape-wide well monitoring, planning, education and regulatory review on all aspects of Cape Cod's water resources. Water staff participates on a variety of local, regional and state committees and strives to develop strategies to implement cost-effective solutions to capitalize on common regional needs across the Cape.

The Commission's watershed manager also serves as the Licensed Site Professional for Barnstable County and provided support to the Barnstable County Commissioners related to contamination related to past operations at the Barnstable Fire Training Academy.

The Commission has coordinated the PALS (Ponds and Lake Stewards) pond sampling program since its inception in 2001.

PLANNING

Yarmouthport Route 6A Corridor Study

Commission staff worked with the Town of Yarmouth to develop recommendations for pedestrian, parking, safety and other issues along Route 6A from Willow Street to Union Street in Yarmouthport. Among the key recommendation in the final report, issued in March 2017, were to better define sidewalks and reduce long curb cuts, add a sidewalk on south side of Route 6A, Summer Street to Yarmouth Port Post Office and a number of crosswalk improvements in design and location.

Davis Straits, Falmouth

The Town of Falmouth requested assistance from the Cape Cod Commission to offer ways to make the Davis Straits area stand out from the crowd.

This section of Route 28 between Scranton Avenue and Jones Road is unique because it retains both an area of residential scale buildings as well as commercial plazas that have significant redevelopment potential. While existing zoning treats this area the same as other corridor commercial areas in Falmouth, the town sought options to give this segment of Route 28 a unique identity to differentiate it.

Changes in zoning district boundaries, allowed uses, building scale, building setbacks, and parking location are all ways in which development in Davis Straits could be guided to support the town's goals of greater variety, improved community vitality and economic development outside of the downtown area.

Woods Hole Historic District

The Town of Falmouth requested assistance from the Commission to analyze and develop recommendations to better protect historic resources and to enhance community character and bicycle/pedestrian facilities in the area of Woods Hole village.

The focus of the Commission project will be the areas of historic preservation, zoning and



community character, and bicycle/pedestrian facilities, and will include the following:

- Evaluate existing historic district boundary and regulations consistent with Chapter 40C Historic District Act requirements;
- Recommend ways to address potential conflicts between current zoning regulations and historic preservation goals;
- Suggest improvements to bicycle and pedestrian facilities in the village; and
- Illustrate ways to preserve and enhance significant viewsheds and community character elements.

Historic Preservation

While local historic districts are a popular tool for preservation, they are not always successful. Local historical commissions and other local groups interested in protecting historic resources can find far more success through a balanced approach that is unique to their community and based on a wide range of effective tools.

That was among the key points made at a May 23, 2017 lecture sponsored by the Cape Cod Commission, Massachusetts Historical Commission and Brewster Historical Commission.

Sarah Korjeff, Preservation Specialist at the Cape Cod Commission, presented “Recent Preservation Efforts On Cape Cod.” A handout highlighting the Cape’s inventory of historic homes provided a town-by-town look at the age of buildings based on town assessing data and those inventoried by the Massachusetts Cultural Resource Information System.



FY'17

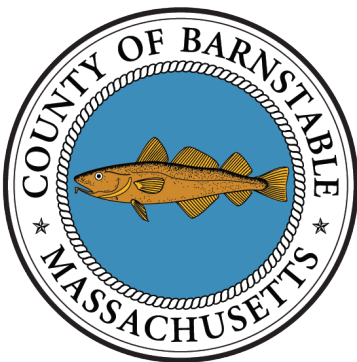
CAPE COD COMMISSION



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Report of
**CAPE COD
COOPERATIVE
EXTENSION**
&





FY'17

Cape Cod Cooperative Extension

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www.capecodextension.org

www.buyfreshbuylocalcapecod.org

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About

Cape Cod Cooperative Extension was established in Barnstable County in 1916. Extension's educational programs focus on agriculture, marine resources, horticulture, aquaculture, shellfish management, natural resources, tick-borne disease, water quality, recycling, household hazardous waste, nutrition, food safety, youth development and environmental education.

The mission of Cape Cod Cooperative Extension is to improve the health, well-being and security of youth, families and communities; conserve and enhance natural resources; and strengthen agriculture and food systems. We fulfill our mission by utilizing the research and teaching capacity of the University of Massachusetts Amherst and Woods Hole Oceanographic Institution Sea Grant program to generate and communicate knowledge while creating approaches, methods, and tools for solving problems. Extension links the Massachusetts land grant university with a larger community of people in collaborative partnerships to address issues of fundamental importance to the people of Barnstable County.

An Act of Congress formed Cooperative Extension nationally in 1914 as a three-way partnership. The three partners were the land-grant university in each state (such as UMass Amherst in Massachusetts), the federal government (through the United States Department of Agriculture), and local government (through Barnstable County).

Through the use of workshops, conferences, field demonstrations, technical assistance, radio,

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television, the Internet and more, Extension brings objective, research-based and credible information people can use every day to improve their lives. To celebrate our 100th birthday, we created a short, informative video, please enjoy!
youtu.be/VoNmySmNN0c

Hazardous & Difficult-to- Manage Wastes and Water Quality

Household Hazardous & Difficult-to-Manage Waste and Water Quality Education program area focus an array of programs in six focus areas: 1.) household hazardous waste (HHW) education and disposal, 2.) mercury collection, 3.) sharps collection, 4.) road and marine flares collection, 5.) unwanted medication disposal, 6.) WET festivals. The program's focus is to provide:

- Protection of our unconfined, sole-source aquifer
- HHW outreach, education and disposal options to all Cape Cod municipalities
- Cost-effective solutions for Cape Cod towns for difficult-to-manage and hazardous wastes
- Public education on water quality and protection issues to children and adults

Household and Small Business Hazardous Waste Education and Disposal

In the 2016 Household and Small Business Hazardous Waste collection period, a total of 23 HHW collections were conducted within Barnstable County (Cape Cod). The cumulative



totals of the 23 Cape Cod HHW collections held in calendar year 2016 show 4,929 households participated in the collections. The total volume of hazardous waste removed was 72,625 gallons of waste removed from Cape Cod's waste stream. Outreach to small businesses that generate hazardous materials is promoted by the HHW collection program. This project focuses on painters, contractors, and pesticide applicators, and resulted in the participation of 17 small businesses in HHW collections. Very Small Quantity Generator (VSQG) businesses are allowed to participate in the collections at county-bid pricing, but are required to pay the entire disposal cost for their waste.

Mercury Collection & Disposal Program

Mercury containing devices are collected by Barnstable County at all HHW events and are collected every day at all Cape Cod transfer stations, waste management facilities, and at many home heating supply stores (thermostats) and marinas (float switches in bilge pumps). A total of 95.43 pounds of mercury was removed through the Barnstable County program in calendar year 2016. Collected mercury containing items included 1,087 thermostats, 230 thermometers, and 76.5 pounds of mercury in an elemental state. All mercury and mercury containing devices are collected and processed by licensed and permitted mercury processing vendors.

Sharps Collection & Disposal Program

The Barnstable County sharps collection program is a model throughout Massachusetts and fulfills the requirement of Massachusetts General Law mandating sharps collection programs for all Massachusetts communities by July 1, 2012. Participation in the sharps program has steadily increased since its inception in 2005. In 2016, 12,227 one-quart, five-quart and two-gallon containers were distributed to collection locations and 312 thirty-gallon boxes of sharps containers were disposed of through a licensed medical waste disposal contractor. The Barnstable County

Sharps Program is fully operational in all 15 towns on Cape Cod. Free sharps containers are distributed at all collection sites.

Flares Collection & Disposal Program

Road and marine flares contain perchlorate, a salt-like chemical used as an accelerant in the flares. Perchlorate is a known human thyroid inhibitor and in 2006 the Commonwealth of Massachusetts was the first state in the country to institute mandatory testing for perchlorate in drinking water. For calendar year 2016, a total of 3,456 flares were collected from fire stations, marinas, and recycling centers for disposal including 2,055 handheld, 1,027 shotgun-style, 276 rocket, and 98 smoke flares.

Unwanted Medication Collection Program

Every police station on Cape Cod now provides an unwanted medication drop box for people wishing to dispose of their unwanted medications. The drop boxes, coupled with twice yearly DEA drug take-back programs at local police departments, and the Unwanted Medication Program education program demonstrate a strong multidisciplinary, regional approach to preventing unwanted medication from contaminating groundwater or being diverted for illicit use.

WET Festival

WET water festivals are an interactive method of teaching 4th - 6th grade students on Cape Cod the fundamentals of water and the impacts of water on Cape Cod's environment and health. Each year Cooperative Extension, in partnership with AmeriCorps Cape Cod, provides 10 one day education seminars to over 1,200 4th - 6th grade school children. Cooperative Extension updates and maintains twenty different education stations at each WET Festival and each station meets MCAS requirements and standards while educating students on groundwater, wastewater, and the water cycle. In small groups, students progress through a series of hands-on stations

exploring and learning. Students take home a practical message about how water impacts their daily lives and learn new ideas to save and protect water through simple personal actions.

Over the course of the 2015-2016 school year, 10 festivals were conducted for 10 Cape Cod schools, with a total of 1,254 children participating. The concepts of the WET festivals continue to focus on protecting our drinking water, hydrology and groundwater dynamics, aquatic biology and sustainable fisheries, water pollution sources and solutions, and physical concepts.

Recycling, Composting and Solid Waste

Cape Cod Cooperative Extension remains a recipient of the Massachusetts Department of Environmental Protection (MassDEP) grant program; which funds a full-time staff member to assist Barnstable County's 15 municipalities with municipal solid waste diversion. Cape Cod's Municipal Assistance Coordinator (MAC), provides direct technical assistance and a conduit for communication between MassDEP and Barnstable County municipalities on municipal solid waste (MSW) management challenges and initiatives.

The MAC supports the municipalities in implementing various recycling and composting programs awarded by MassDEP grant programs. In FY17, 14 of the 15 Cape Cod municipalities applied for SMRP grants in Round 1 totaling over \$100,000 in waste diversion program funds. In addition, 3 Cape Cod municipalities received SMRP grant funds in Round 2 totaling \$165,500.00 for projects in Chatham- cardboard compactor, Truro- educational materials for recycling drop-off area and a single-stream compactor, as well as \$150,000 to Yarmouth for an anaerobic digester proposal.

During the FY17 reporting period, the Town of Barnstable implemented a new organics collection shed and mattress recycling program at the transfer station. Eastham was awarded a technical assistance grant to analyze the cost-benefit of implementing Pay-As-You-Throw, joining Brewster, Sandwich, and Wellfleet.

Truro began a successful public space recycling program utilizing the single-stream compactor. Wellfleet is currently working with the MAC and other stakeholders on a potential open windrow commercial compost pilot at the transfer station, and Sandwich wrapped up a victorious school recycling assistance program.

During the FY17 reporting period, the MAC worked with all 15 municipalities on an \$81,000 grant proposal for latex paint collection and recycling. There are 9 active paint sheds on Cape Cod and the Town of Bourne along with the MAC collaborated with those municipalities for an 'op-in' latex paint recycling pilot program, sharing common resources and centralized existing infrastructure. Other projects such as the ban on plastic bags has been wide-spread here on Cape as well as the early discussions of towns revamping or adopting subscription and private haulers regulations to including bundled recycling services and potentially curbside organics pilots.

The MAC is available to all residents and visitors of Cape Cod. Sharing educational information, answering questions, preparing and providing presentations, tours, and highlights. A continued monthly newsletter goes out at the end of each month targeting challenges, trash in the news, and other wonderful developments. As well as a collaborative quarterly meeting when municipal employees and the solid waste community can gather to share commonalities and solutions with each other.



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Greg Berman

Coastal Processes Specialist

Shannon Jarbeau

Community Rating System Coordinator

Eileen Sonnenberg

Extension Educator

Barnstable County Municipal Shellfish Propagation Program

Harvest of shellfish is important both to the economy and culture of Barnstable County. All 15 towns on Cape Cod support shellfish propagation and enhancement programs which make shellfish available for recreational and/or commercial harvesters. In direct assistance to these programs, Marine Program staff oversee the Barnstable County Municipal Shellfish Bid Program which gives increased buying power to municipal shellfish programs allowing for reduced prices and contracted delivery timeframes.

Leveraging funds from Barnstable County and the municipalities of Cape Cod in 2016, the Program assisted with the purchase of over 16,000,000 quahog seed, 5,000 bags of oyster remote set, and over 1,000,000 single set oyster seed at 2 different sizes. These shellfish seed were then cared for by municipal propagation programs and planted in various waters of Cape Cod for the benefit of 1,000+ commercial and 17,000+ recreational shellfish harvesters. The value of these shellfish added to Barnstable County waters at a conservative survival rate of 50% and current wholesale values (\$0.21/quahog and \$0.55/oyster) is estimated at over \$3,000,000.



A recreational harvester with a rake full of quahogs.

Shellfish Research Farm Network (RFN)

The RFN program, established in 2005 to address farming issues relevant to the region, continues to generate valuable data regarding shellfish culture methodology. Over 90% of Massachusetts aquaculture production is oysters grown for the half shell market. This lack of diversity leaves the industry vulnerable to loss. While shellfish farmers have expressed interest in growing new species, they are often reticent to invest resources into such ventures without clear guidance on culture methods and marketing. In response, the RFN has continued to focus on research into alternative species for aquaculture, specifically surf clams (*Spisula solidissima*). The surf clam's appeal is the likelihood it could be planted and harvested within a year's time. Clams spawned at the hatchery ARC were distributed to interested farmers within the RFN. Growers were advised on planting while Marine Program staff tended to experimental plots. Growth and survival of surf clam seed were monitored, providing insight into best locations and conditions for this species. Results were used to inform the shellfish aquaculture industry on ways to increase success with these clams. Most importantly, this demonstration project confirmed that this species could be harvested within a year. Subsequently, we are collaborators on a 2016 Saltonstall-Kennedy grant (2017-2019) that will build on this initial research. Outcomes from this research will be disseminated and shared with industry and study participants at two workshops.



Surf clams (*Spisula solidissima*) grown in an experimental plot in Barnstable.

Water Quality Monitoring – Long Term

Water quality data has become increasingly important as research continues into shellfish disease, growth and mortality issues, *Vibrio* bacteria related issues, and coastal eutrophication within the region. In response, the Marine Program, with additional funding from SEMAC, continues its water quality monitoring program using the long-term deployment of YSI instrumentation at five locations: Cotuit Bay, Barnstable Harbor, Duxbury Bay, Wellfleet Harbor and Pleasant Bay in Orleans. The aquaculture industry also keeps a close eye on this data which correlates to their growing conditions as well as information on pH in relation to ocean acidification. There are also requests from researchers or interested individuals to use the data. Live online data is provided via cellular link from two of those locations: Cotuit Bay and Wellfleet Harbor. (Online Data: wqdataalive.com/public/103)

River Herring Network

Marine Program staff coordinate a group for Barnstable County and Southeastern MA river herring wardens called the River Herring Network. Since the 1600s MA towns have appointed herring wardens to regulate harvest of river herring and maintain their passage to

spawning grounds. The goals of the group are to facilitate communication among wardens, and assist them with making local management decisions that are informed by the best available science, an ecosystem based outlook, and an understanding of regional, state, and federal management decisions. In 2016, 60 people attended the Fall annual meeting. Marine Program staff maintain the website for the group, www.riverherringnetwork.com. During the Spring of 2017 staff assisted Division of Marine Fisheries and the Town of Harwich with operating an electronic fish counter on the Herring River in Harwich.

Shellfish Habitat Assessment (SHA)

Since 2003 Marine Program staff have gathered baseline monitoring data to assess the growth of oysters and quahogs from July to September using a standardized methodology in four locations. In order to detect and learn from events such as extreme weather, harmful algal blooms, and increasing water temperature, standardized baseline data must be collected, analyzed, archived, and made available. The fourteenth year of data was collected in 2016.



River herring wardens from 12 towns listen to a speaker at the River Herring Network annual meeting



Shellfish Disease Monitoring – Long Term

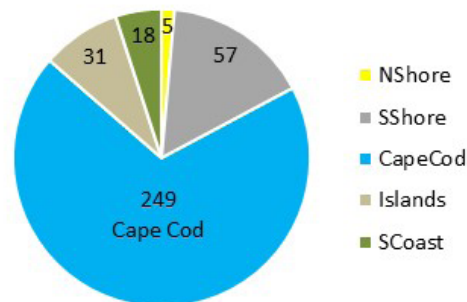
Marine Program staff maintained a network of 25 disease monitoring stations which included over 50 participating shellfish growers. This monitoring is designed to collect information on disease occurrence, prevalence, intensity, and seasonality throughout Barnstable County. The goal is to provide better understanding of disease dynamics in the region and help identify pending outbreaks, giving shellfish growers an opportunity to make better-informed management decisions about their standing crop. Monitoring results also help explain mortality events and attribution to specific diseases. Funding for this program has been supplemented with additional monies from the Massachusetts Department of Agriculture Resources and Woods Hole Sea Grant.

SEMAC (SouthEastern Massachusetts Aquaculture Center)

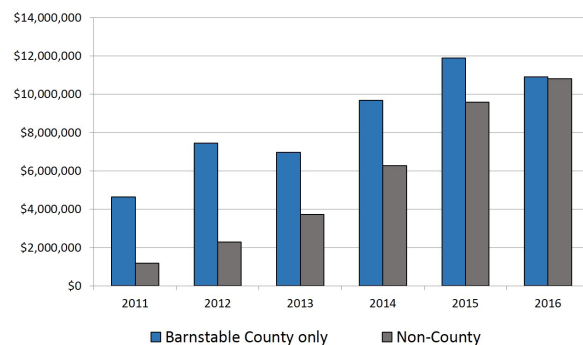
Barnstable County's Cooperative Extension office remains the administrator of SEMAC, and Marine Program staff oversee and administrate its activities and programs. The Center is directed by a 13-member board of directors and received \$37.5K (25% decrease from previous year) in support from the Massachusetts Department of Agricultural Resources in 2016. 90% of the funding has provided for direct industry assistance by supporting the shellfish Research Farm Network (RFN), marketing efforts, testing and analyses of shellfish diseases, and long term marine water quality monitoring.

The importance of the Marine Program and SEMAC to the aquaculture industry is reflected by the numbers: Barnstable County's farmed quahogs comprise over 90% of the State total (\$1.4 million). Farmed oysters in Barnstable County account for more than 50% of the State's \$21.7 million value for oysters in 2016. Barnstable County also has 69% of the State's licensed shellfish growers.

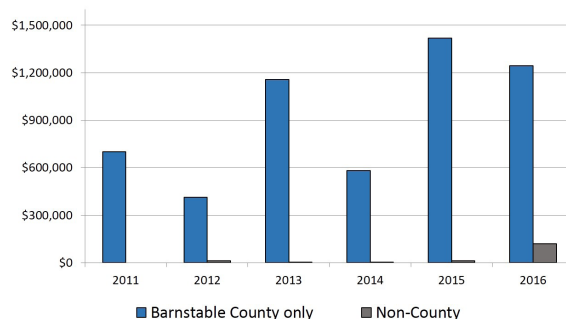
2016 Licensed Shellfish Growers/Farms (DMF Annual Report)



MA Oyster Aquaculture Production - \$Value



MA Quahog Aquaculture Production - \$Value



Safe Seafood Consumption

Working with the CCCE Nutrition Education & Food Safety Program, the Marine Program designed and distributed posters to educate restaurant workers on basic food safety practices when handling raw shellfish. There has been growing concern over foodborne illness related to consumption of raw shellfish and the importance of safe handling guidance throughout the supply chain – from farm to plate. Many restaurants, particularly during the summer season, experience

a high turnover of kitchen staff, as well as staff who may not be English-speaking. Posters included simple colorful graphics and minimal text in two languages – English and Spanish. Over 200 posters were distributed through more than 12 town health departments for posting in local restaurant kitchens.



Outreach on Coastal Processes

Over the last year technical assistance on coastal processes has been provided in the form of 24 site visits (typically with associated GIS analysis and follow-up written reports) on issues relating to coastal bank stabilization, beach grass for erosion control, proposed revetment construction on coastal banks, and dune restoration. The combined assessed value of the properties that were provided information to make sound management decisions was over \$125,000,000 (202 site visits totaling ~\$700,000,000 since 2009). 18 site visits (valued at \$72,000) were conducted

in 10 Barnstable County towns (Brewster, Chatham, Dennis, Falmouth, Mashpee, Orleans, Provincetown, Sandwich, Wellfleet, & Yarmouth) in addition to several other towns throughout Massachusetts. Additional direct outreach has been provided in the form of 21 presentations to ~800 people total (over 5,820 reached in 124 presentations since 2009).

A wide range of audiences have been reached from congressional staffers, to conservation commissions, to town officials, to Audubon, to NOAA, to

Harvard, to high school students, to homeowners associations. Two events have been hosted this year: a Wetlands Delineation Training 2-day class for conservation commissions and agents (15), as well as a well-attended (60) coastal conference on Nantucket (with CZM). A new Extension Bulletin this year is “A Primer on Beach Raking”. The bulletin provides an overview of the raking process as well as some general Best Management Practices for raking. Additionally, the local media has been provided with coastal expertise in 7 quoted interviews in newspaper (Cape Cod Times and Vineyard Gazette) and a radio interview (90.1 WCAI).

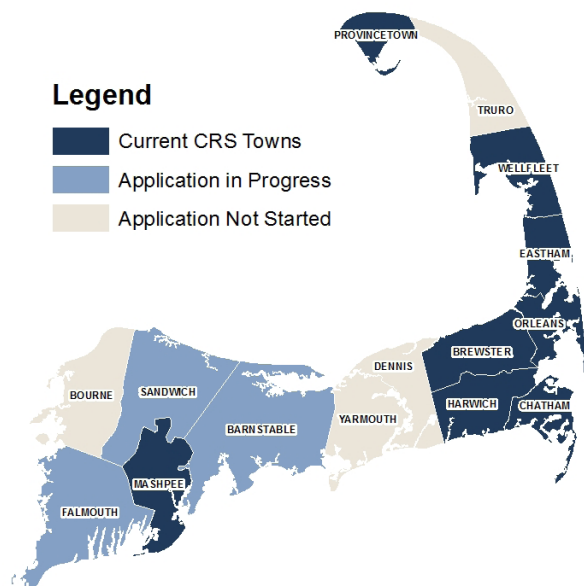


May 2017
Extension Bulletin
“A Primer on Beach Raking”.



Hosted Nantucket Coastal Conference on June 6, 2017.

Outreach on Floodplain Management and the Community Rating System



Status of CRS communities on Cape Cod

All Barnstable County towns have received technical assistance for basic floodplain management and the Community Rating System. With County CRS assistance, four towns joined the CRS program, one completed a 5-year audit, one is preparing for a 5-year audit, and two are in the application process. Technical assistance was provided for basic floodplain management questions (building codes/floodplain regulations, flood insurance, flood maps, etc.) forty-two times for basic floodplain technical assistance from communities, residents, and businesses. The CRS User Group met quarterly, providing continuing education credits for Certified Floodplain Managers®. Outreach was provided to nearly 300 people in the form of 22 presentations to local elected officials and staff, businesses, and the public. Barnstable County communities in the CRS are currently saving 3,000 residents over \$275,000 annually. Barnstable County and the CRS & Floodplain Coordinator position were awarded the national Association of State Floodplain Managers' James Lee Witt Local Award for Excellence in Floodplain Management for the innovative regional approach to managing the CRS.

CRS & Floodplain Coordinator Shannon Jarbeau holding the 2017 James Lee Witt Local Award for Excellence in Floodplain Management, awarded to the County by the Association of State Floodplain Managers for the innovative regional approach to CRS management

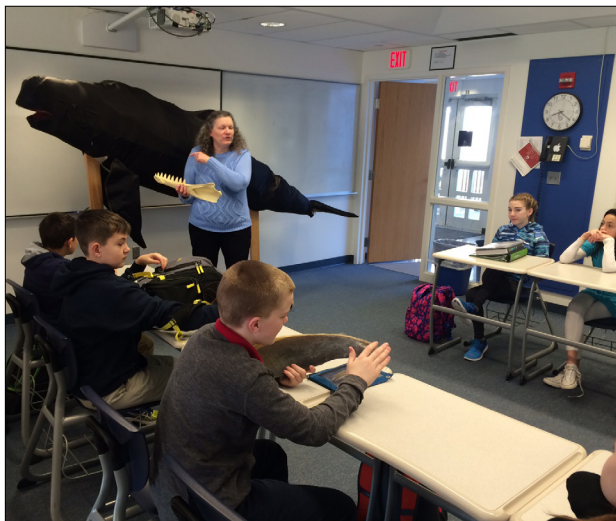


Marine Science Education Program

The Coastal Explorer mobile marine program is designed to educate participants of all ages about our unique marine environment in a discovery-learning format. The "Coastal Explorer" and "Coastal Connections" marine science programs took place in 9 Barnstable County towns during summer in libraries, youth camps and museums in 2016, for a total of 2,003 participants over the course of six weeks. The 2016-2017 school year had a total of 21 Barnstable County schools participating in both the "Coastal Explorer" and "Whale in the Classroom" programs over the course of 19 weeks for 4,258 students and 224 teachers, conducting 215 marine science classes.

Harwich third grade class with our loggerhead sea turtle model.





Whale program at Cape Cod Academy in 2017.

Nutrition and Food Safety Education

250 Cape Cod Child Development Program preschool staff attended a panel discussion focused on food insecurity as part of a professional development day.

Three healthy cooking and food safety lessons were held for 26 adults at Community Corrections in Hyannis to provide basic life skills for low level offenders. This group would otherwise be incarcerated or may have served a term of incarceration and are returning to the community.

Approximately 1,297 educational contacts have been made with youth and parents through SNAP-Ed programming focused on healthy eating through cooking demonstrations, activities, presentations, and educational displays: open houses, Field Day, parent workshops, and other special events

New USDA professional standards require annual training for all school nutrition program staff. In order to assist school districts in acquiring the knowledge and skills needed to successfully manage and operate school meal programs, Cape Cod Cooperative Extension offered two full-day trainings in collaboration with the Institute of Child Nutrition for a total of 70 school nutrition directors and staff.

A total of 182 school-aged children and 143

preschoolers have participated in a total of 30 series of SNAP-Ed Show Me Nutrition lessons. Supplemental enrichment activities and newsletters have been distributed to staff and families.



Fresh Eats in the Garden Yarmouth



Mobile Garden Summer Program

Approximately 500 clients, staff and volunteers were reached through SNAP-Ed displays/ cooking demonstrations at food pantries and the Transitional Assistance Office (TAO). Two SNAP-Ed trainings reached a total of 20 TAO staff. Approximately 102 SNAP recipients



FY'17

participated in additional nutrition activities offered.

A nutrition educator addressed 34 members of the Barnstable Association of Recreational Shellfishermen on the nutrition of local shellfish. 82 older adults participated in 7 presentations and cooking demonstrations as part of the Brown Bag Nutrition Distribution Program in Yarmouth and Barnstable.

A total of 129 older adults have participated in nutrition education opportunities through five single sessions/cooking demos and two series of 6 lessons (Healthy Eating for Successful Living).



Healthy Eating for Successful Living, Sandwich

13 ServSafe food safety certification courses have reached 196 individuals in the food service industry and UMass nutrition educators, fulfilling the Food Code requirements set forth by the Massachusetts Department of Public Health.

Seven food safety workshops were held for a total of 164 food service employees, and 3 pantry food safety workshops were delivered to 59 pantry staff and volunteers. Training covers basic safe food handling techniques.

An Extension Nutritionist provided three talks to the Master Gardeners addressing updated recommendations regarding safe food preservation.

Twenty-seven members of the Chinese Food Safety Council on Community Food Safety education were addressed through a panel presentation at Harvard University in collaboration with the MA Partnership for Food Safety Education.

Food pantry clients continue to be reached through cooking demonstrations and health screenings through Foods to Encourage (F2E), a collaborative project through Cape Cod Hunger Network and technical support through Barnstable County. Harvest for the Hungry started to create connections between farmers, home gardeners and area food pantries with the goal of providing increased access to fresh, locally grown produce via donations efforts. More than 3000 pounds of sweet potatoes and butternut squash were donated to area food pantries.



As part of the Buy Fresh Buy Local (BFBL) project, nutrition educators participated in Meet the Farmer and Farm to Table events highlighting local food. Four youth activities were conducted at the

Sandwich Farmers Market in collaboration with Sandwich Partnership for Families' story hour program. Three cooking demonstrations were conducted at Bass River Farmers Market. Three short films were produced in collaboration with the Cape Cod Fishermen's Alliance focusing on simple preparations of local, underutilized species of fish. Tastings of locally sourced dogfish were offered for Cape Cod Family Pantry clients.

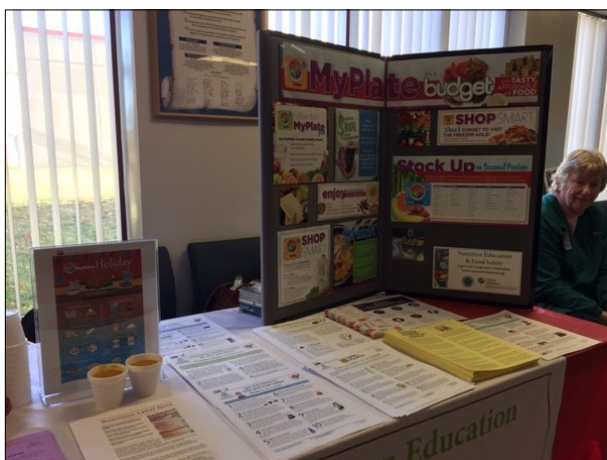


Food Demonstration, Bass River Farmers' Market



Nutrition educators participated in twelve Biometric Screening events offered by the Cape Cod Municipal Health Group. A presentation highlighting healthy lunch

options was offered as part of the benefits administrators meeting.



Biometric Screening Display

Educators presented child nutrition and food safety information, displays and demos at various community events: Harbor Community Health Healthy Harvest, Harwich COA Girl Power Program, Scallop Festival, Monomoy High School Health Fair and the Barnstable County Fair

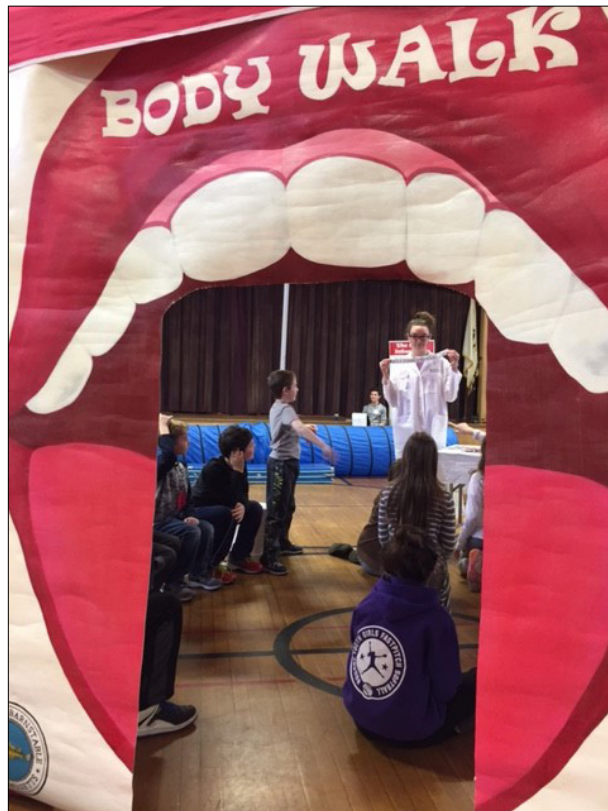
The 'Snackivities' preschool project provided monthly healthy snack calendars to over 350 families in the Monomoy School district. 90 families participated in a Family Fun Fair as part of this project.

Food for Thought, a monthly electronic child nutrition newsletter has been distributed to parents and elementary school staff. Currently, there are 531 subscribers to this newsletter.

Body Walk, an interactive educational exhibit, was conducted at three elementary schools reaching a total of 347 students, plus teachers and families

through supplemental materials.

A session was held for an audience of 15 people from the Lower/Outer Cape as part of the Community Development Program's "Bringing Food Business to Market" educational series. Additionally, a nutrition educator serves on their Food Maker's Advisory Council.



Body Walk at Peebles Elementary School, Bourne

Buy Fresh Buy Local

The mission of Buy Fresh Buy Local Cape Cod is to connect people and businesses on the Cape with locally grown farm and sea products. Over 15,000 member guides, bumper stickers and magnets have been distributed through area farmers' markets, food-related community events, and health and fitness businesses. To reach the 4440 followers on social media, a series of short cooking videos featuring local products was released via Facebook and Twitter and viewed over 5200 times. Additional outreach efforts included Shop Local Promotions, advertisements in local publications Edible Cape Cod and LoveLiveLocal Field Guide. Over 3,000 branded paper grocery bags were distributed to

farmers' market to serve the practical purpose of packaging vendor products as more towns move towards a plastic bag ban. Technical assistance for farmers included farmer education, on-boarding, and support of the new nutrition assistance pilot program, Healthy Incentive Program (HIP). Coordination of HIP program objectives and public outreach accomplished through state-wide working groups and local distribution of in-house marketing materials. Distribution of the monthly electronic newsletter has reached 2874 subscribers. Membership in Buy Fresh Buy Local has climbed from 55 members in 2011 to 146 members currently.

Agriculture & Horticulture Program

Cape Cod Cooperative Extension's Agriculture and Horticulture Program provides educational programs and serves as a resource for unbiased research based information for industry professionals, municipalities and the public. Agriculture and horticulture are important components of Barnstable County's economy. Agricultural commodities alone have a market value of more than \$10,000,000 in Barnstable County. Agriculture and horticulture are also vital to residents and visitors providing food, jobs, recreation and beauty; essentials to our tourist based economy.

The agriculture and horticulture program offers Barnstable County citizens, professionals and municipalities with education enabling them to make sustainable and environmentally sound land management decisions. The program offers a diverse number of educational opportunities including conferences, multi-week classes, presentations and hands on education. In 2017, the program provided more than 60 educational opportunities for Barnstable County citizens, industry professionals and municipalities.



Master Gardener educating Barnstable County citizens during Evening in the Garden educational program at the Cape Cod Fairgrounds.

The agriculture and horticulture program also serves as a resource for unbiased research based information. The program provides these services to the public through the aid of trained volunteers, Master Gardeners. The Master Gardeners help operate many of the agriculture and horticulture activities and outreach. The more than 150 Master Gardener volunteers provide more than 5000 hours of volunteer work, a value of more than \$120,000. In 2017, fifteen new Master Gardeners were recruited and trained. The Horticulture Clinic which is staffed by Master Gardeners provides citizens with an opportunity to get horticulture questions answered, soil tested, plants and pests identified. In FY 2017, approximately 800 clients used the service to get reliable unbiased research based information developed at our Land Grant Universities.

The agriculture and horticulture programs also serves as a resource for industry professionals and municipalities. These services include site visits, publications, and diagnostic services. In FY 2017, more than 40 site visits were conducted, providing municipalities and industry professionals with technical expertise and guidance. The agriculture and horticulture program monitors for agriculture and horticulture pests and disseminates this information to industry professionals through several UMass Extension publications including the UMass Landscape Message, HortNotes, and Garden Clippings. The UMass Landscape Message provides detailed weather and scouting

reports that enable local professionals to make informed pest management decisions based on Integrated Pest Management (IPM), the reports are provided weekly April-June, bi-weekly March and September and monthly October – December. The agriculture and horticulture program continues to be a reliable resource for trusted information for the public, industry professionals, and municipalities.



Bountiful harvest destined for the Falmouth Service Center from the Agriculture and Horticulture Program's Demonstration Garden located at the Cape Cod Fairgrounds.

Ticks and Entomology Program

The tick outreach program has a branded theme “*One Bite Can Change Your Life*”. Printed materials (rack cards and tick testing brochures) were distributed to town halls, libraries, as well as garden centers and sporting goods stores.

Outreach efforts are conducted through a variety of media. Seventy-six workshops/events were conducted at libraries, town halls, senior centers, community centers and for groups such as AmeriCorps, the Master Gardener Program, MA Association of Public Health Nurses, Sportsman's

Clubs, Northeast Mosquito Control Association, Garden Clubs and USDA. The tick extension program was also covered extensively via newspaper articles and radio interviews.

Marnie Crawford, Boston Picture Group is an independent filmmaker. She has spent considerable time filming Larry Dapsis about the many components of the County tick-borne disease prevention program. The finished documentary will be submitted to Film Festivals and then released for screenings to the general public.

CCCE also received a \$30,000 grant from Cape Cod Healthcare that funded subsidized tick testing through the Laboratory of Medical Zoology at UMass-Amherst. Tick testing is now being viewed as a valuable medical diagnostic tool since ticks may carry up to five different pathogens including co-infections. Testing in FY17 included Powassan virus (deer ticks) and Rocky Mountain Spotted Fever (dog ticks). Powassan infected ticks attached to people was 0.8% thus showing that there is an exposure risk but it is low. No dog ticks tested positive for Rocky Mountain Spotted Fever. The program was marketed as “Send a Tick to College”.

Monitoring for winter moth egg hatch continued. Winter moth is a serious pest of broad-leaf trees and crops such as blueberry. Successful management hinges on an accurate determination of egg hatch. This information is provided directly to U-Pick blueberry operations, the Cape Cod Landscape Association, major garden centers, Extension Master Gardeners and the Cooperative Extension website.

The Extension Tick and Entomology program remains a publicly accessible resource for insect identification and control recommendations. Many calls were fielded on the outbreak of gypsy moth.

Military Family Outreach and Children, Youth & Families Programs

Barnstable County 4H's signature Babysitting certificate program was sponsored at 19 locations (schools and libraries) from Bourne to Truro with a total of 251 participants and 152 classroom hours.



Winter Sewing Class final projects

After school programs in Science, Engineering and Technology, Sewing, Gardening, Philanthropy, Reading & Art with dogs and more were conducted in schools and libraries with a more than of 150 participants. Several large prevention programs focused on community activities after school, drug education and healthy living (school garden) were also held with a total of 881 participants, in conjunction with the Town of Barnstable Recreation Program, Boys & Girls Club and Hyannis West Elementary School.

Programs focused on supporting military families in the community reached 275 family participants.

In addition to this, two week long full day (40 hour) camps with a total of 28 participants (**Saddle Up & Learn!**) received grant funding and/or support (\$9,800) from the U.S. Department of Agriculture, National Institute of Food and Agriculture, 4-H National Headquarters; U.S. Air Force Child and Youth Programs; and University of Massachusetts/ Cape Cod Cooperative Extension 4-H Program through grant funding at Kansas State University under special project number 2013-48696. Noteworthy is that these were the only camps

funded in the state of Massachusetts from competitive national field of land grant university submitted entries. These camps focused on positive youth development with an emphasis on science and therapeutic equine activities.

A third week (**Families in Transition**) was funded by Heroes in Transition for the 4th consecutive year (\$10,000) and provided 20 hours of equine therapy, therapeutic children's activities, and family support groups to 32 participants with a loved one in the deployment cycle.



Youth Prevention Partners.

A military community garden was planted in May of 2017 at Smithfield Farm in cooperation with Extension Horticulturist, Russ Norton, and with assistance from the Master Gardeners. The goal was to get the garden started for the three military camps in July, at which time military youth and families would be invited to help maintain the garden and share in the bounty of fresh vegetables. More about this to follow in FY18 annual report.

A Barnstable County 4-H Youth Educator traveled (by bus) to the Summer of Science program (June 26-28, 2016) hosted annually at the University of Massachusetts/Amherst with 10 students from Barnstable Intermediate School. This three-day science camp offered workshops in robotics, veterinary science, food science, movie-making and more. You can read more about this on the UMASS Extension website: ag.umass.edu/.

The Barnstable County 4-H program has worked with several local organizations in identifying disadvantaged children and helping with access to enrichments and other activities, with the help of retired Judge Joseph Reardon and the Lombard

Trust. Through the generosity of this program, we could help fund afterschool gardening activities at Hyannis West Elementary School, pay the bus fee for eligible students to attend Summer of Science, and pay for youth to take Sewing classes on half days of school.



Thank You letters from Hyannis West Elementary School students

Barnstable County 4-H Youth Development Program

"I Pledge my Head to clearer thinking, my Heart to greater loyalty, my Hands to larger service, and my Health to better living, for my club, my community, my country, and my world."

4-H programs offer experiential learning opportunities providing knowledge and skills to youth; with 22 4-H Clubs countywide, from Bourne to Provincetown teaching hands on education, projects may include animal and equine science, healthy lifestyles, consumerism, STEM science, Creative arts, gardening, dog training and handling, environmental stewardship and more. 4-H Program Management includes: Organization & Structure, the 4-H Mission, Risk Management & Reduction, Liability Awareness, Club Management, Behavior Management, Record Keeping, Financial Management.

4-H youth are taught numerous life skills with concentration on leadership, citizenship, public speaking and community service. Four County-wide community service projects were completed with 90% of 4-H Members participating example: 225 Comfort pillows for Hospice were made, over 1,000 gifts were made for nursing home residents.

Clubs also participate in local efforts, food drives, flower angels, animal shelters etc. Leadership roles are assumed by 4-H teens with state and national 4-H programs. Educational Design & Delivery includes: Age Appropriate Activities, Utilization of Multiple Teaching Strategies, Understanding of Differences in Learning Styles, Knowledge of Subject Matter, Team Building Skills, Application of Experiential Learning, and Program Evaluation Methods.

Over 80 % 4-H members did public speaking and presentations. This includes: Speaking Skills, Listening Skills, Writing Skills, Resumes & Portfolio's, Non -Verbal Skills, Extemporaneous, Information Delivery & Dissemination, Marketing & Public Relations, and Use of Technology.

Over 3,000 Cape Cod youth experience 4-H through a variety of delivery modes including: 4-H clubs, 4-H after school programs, short term clubs, special events and activities, school enrichment and specialty 4-H camps. Positive Youth Development Life Skills include: Leadership, Citizenship, Youth Empowerment, Youth/Adult Partnerships & Appreciating Diversity. Integrated throughout all 4-H projects areas are teaching Interpersonal Characteristics: Caring, Compassion, Acceptance of Others, Honesty, Ethics, Morality, Patience, Ability to Develop & Strengthen Relationships, and Flexibility.

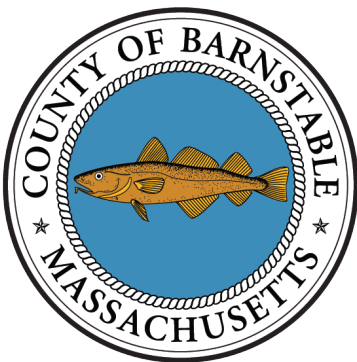
Volunteers are the heart of the 4-H program, without them 4-H would not exist. Volunteer time in the Commonwealth is valued at \$27.00 per hour. Over 200 volunteers donate an average of 40 hours per year: serving as 4-H club leaders, project committees, advisory councils, judges, workshop leaders, middle management to help deliver programs and events, educational field trips, community service opportunities and others. This also includes: Planning & Organizing, Time Management, Parent Recruitment & Involvement, Delegating Tasks to Parents, Service to the Community, Marketing 4-H.

Currently there are 5 4-H Clubs at Joint Base Cape Cod. 4-H is now housed in the new youth center that hosts all 4-H events and activities. Numerous 4-H Summer programs and after



school projects are also provided with support from the Massachusetts 4-H Foundation. We extend invitations to ALL Military families and encourage participation to civilian workers and contractors and Homeland Security as well.

Report of
CHILDREN'S COVE:
THE CAPE & ISLANDS
CHILD ADVOCACY CENTER





Children's Cove The Cape & Islands Child Advocacy Center

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www.childrencove.org

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We offer a safe, welcoming place for children to go if they have been sexually abused, severely physically abused, witness to domestic violence, or commercially sexually exploited (CSEC). We bring together all of the professionals in this field who have made it their life's work to help. We treat each child with respect, care, and compassion and make it possible for the trauma to stop and the healing begin.

Children's Cove, a department within Barnstable County, is a unique collaborative effort between partner agencies including Barnstable County, the Cape and Islands District Attorney's Office, Department of Children and Families, Department of Mental Health and Cape Cod Health Care. We are one of twelve Child Advocacy Centers (CAC) in Massachusetts and over 800 nationally. Children's Cove has proven over the past twenty years that taking a regional approach to helping vulnerable, abused children brings the best out in every agency involved in

the recovery of the victim and the prosecution of the offender. As pioneers of a groundbreaking collaborative regional approach, Children's Cove has gained statewide and national attention as a model organization with programs that have been replicated on a broader scale.

Children's Cove is a fully operational and accredited Child Advocacy Center with the National Children's Alliance in Washington DC whose components include the Sexual Abuse Intervention Network (SAIN) Team, (the investigatory piece of the program); the medical exam, with a Sexual Assault Nurse Examiner (SANE) which utilizes a state of the art video med-scope to utilize evidentiary images in court proceedings; case tracking and team review; family advocacy; specialized therapeutic referrals; and education and training.

Children's Cove strives to help educate the community on issues surrounding child abuse

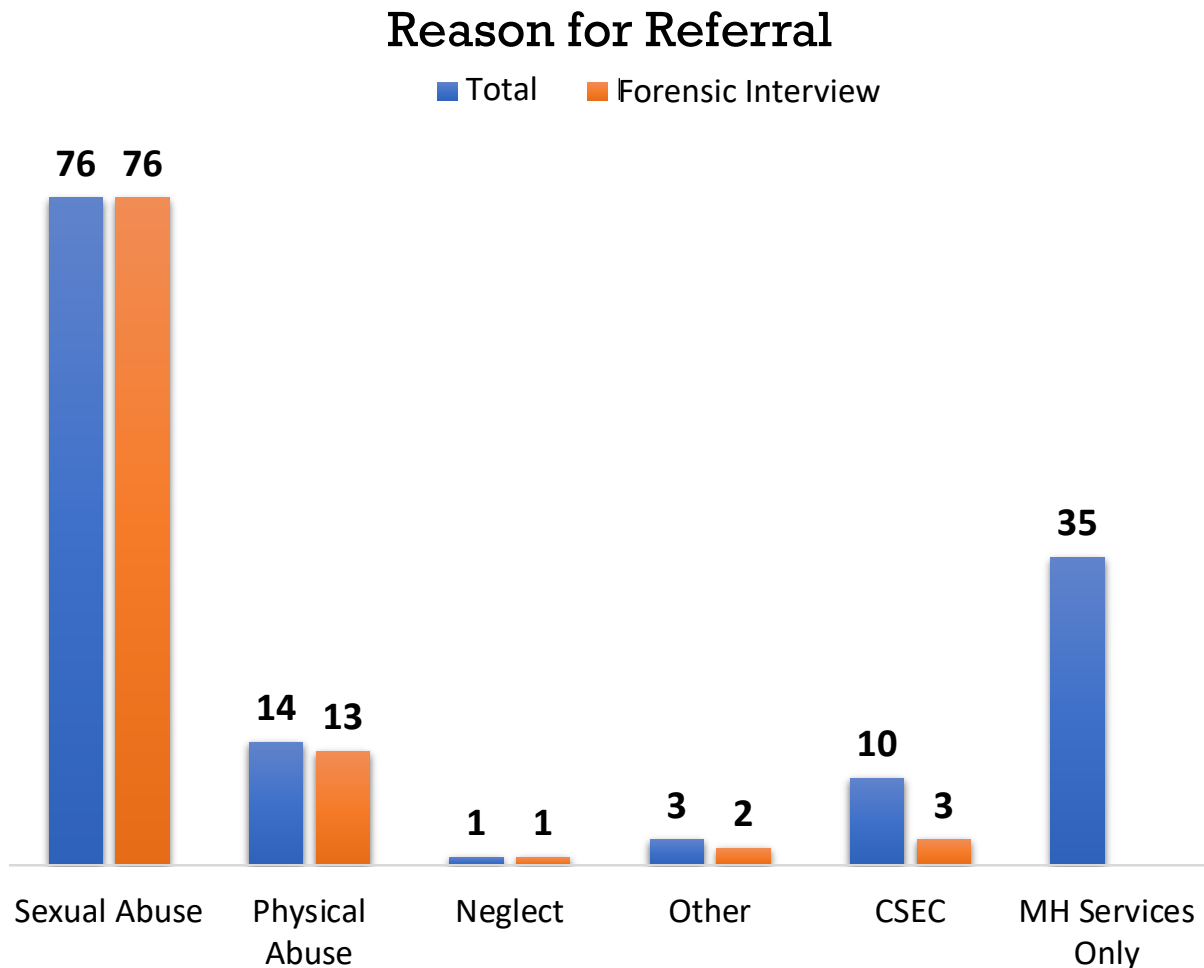
including members of the community, law enforcement, prosecutors, emergency medical providers, firefighters and child protection professionals. Children's Cove continues to plan and implement its awareness campaign, including radio ads, news articles, and public service announcements as part of its outreach to the community regarding child sexual abuse. We are dedicated to reaching the various communities that comprise the Cape and Islands in order to educate the public about child sexual abuse.

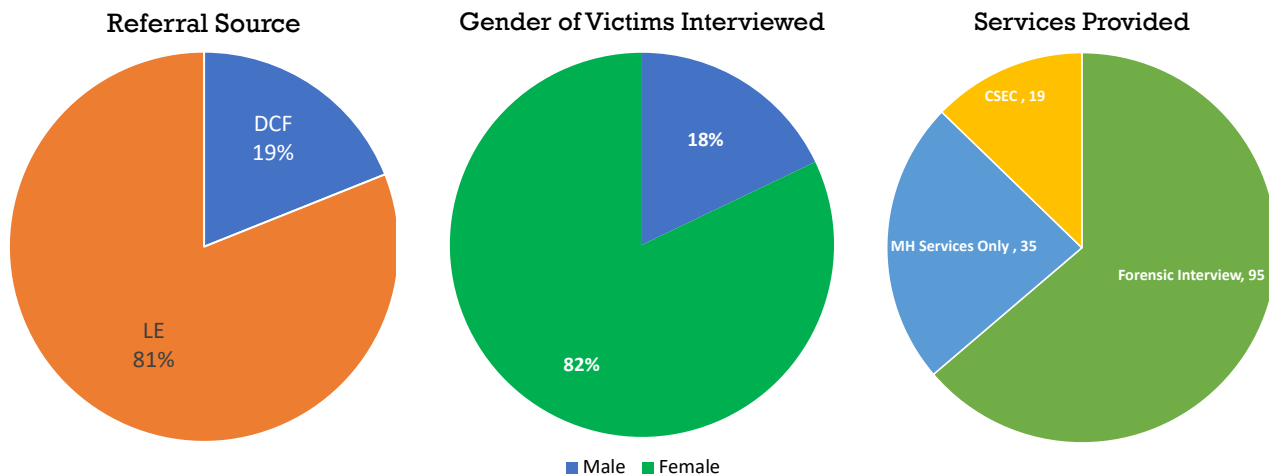
During the twelve-month period of July 1, 2016 – June 30, 2017, 139 individuals were referred for services and 95 of the 139 were provided with forensic interviews at Children's Cove.

Children's Cove serves the same jurisdictional zones as that of the District Attorney's Office and the area office of the Department of Children and Families. This includes the fifteen towns of Cape Cod, the six towns on Martha's Vineyard

and Nantucket. Fiscal year (FY) 2017 interviews covered consumers from Cape Cod towns and both islands, as well as children who were visiting these areas at the time of disclosure.

Children's Cove protocols mandate that the victim must have made some form of disclosure, and that the alleged abuse is thought to have occurred within the jurisdictional area of Cape Cod and the Islands of Martha's Vineyard and Nantucket. The alleged victim may be from the age of two years old, depending upon the child's cognitive and developmental abilities, to the age of seventeen years old or older depending on cognitive and developmental ability. The legal guardian of the child must also consent to the interview. The types of abuse referred for services and the number which resulted in a forensic interview were as seen below:





Based upon these protocols, Children's Cove received referrals for forensic interviews on **18** cases from the Department of Children and Families, and **77** referrals from law enforcement.

For the 139 children referred to Children's Cove for services, **82%** of victims identified as female and **18%** identified as male.

Of the 95 individuals referred specifically for a forensic interview, Children's Cove interviewed and provided support to a wide age range:

For the 96 alleged perpetrators, information concerning the alleged perpetrators is broken into age and gender classifications:

Medical examinations were provided for 38 children. It is the goal of the Nurse Practitioner/Pedi SANE to provide comprehensive, compassionate care to child victims and their families. All children referred to the Children's Cove are offered timely, non-invasive, medical examinations with the consent of their parents at no cost. These exams are provided by the Nurse Practitioner/Pedi SANE on site in the medical suite.

Children's Cove Mental Health Program utilizes a Mental Health Coordinator on staff to refer children and families to appropriate, trauma informed network of providers throughout the Cape and Islands to provide these much-needed services. The Trauma Informed Provider Network (TIP Network) is currently comprised of 78 Cape and Islands therapists who have interagency agreements with Children's Cove to

provide specialized clinical services. Children's Cove, in turn, provides ongoing trainings, learning collaborative workshops and referrals to these selected providers. This program was created out of the need to regionalize therapeutic services for children and families throughout the Cape and Islands. In the past year, 35 mental health, only, specific referrals were made to TIPNet providers in the community.

In addition to these services, Children's Cove provides on-going follow up and advocacy for the children and families served and assists in the connection to meaningful activities and supports. Our Family Advocate works with the family to identify needs and community resources and helps the family navigate any systems as part of the investigation in a non-stigmatizing and confidential way.

As part of the Massachusetts Child Welfare Trafficking Grant, Children's Cove implemented an initiative to educate the community, law enforcement and human service agencies about the Commercial Sexual Exploitation of Children (CSEC.) After the awarding of this grant, Children's Cove formed an advisory board, and multidisciplinary steering committee to develop the CSEC response protocol for the Cape and the Islands. This protocol was enacted in the Fall of 2016 and Children's Cove provided direct outreach and education to law enforcement, DCF and other service and medical providers throughout the Cape & Islands.

Since the implementation of the CSEC Response

protocol, nineteen (19) multi-disciplinary response meetings have taken place regarding risks and concerns for children being exploited. Three individuals were provided forensic interviews as a result.

In the fall of 2016 Children's Cove partnered with Dennis-Yarmouth High School to create the Teen TASK (Taking a Stand for Kids) Force. The Teen TASK force is a group of high school sophomore students working together to raise awareness for the programs and services of the agency and to educate & advocate for child abuse issues. The Teen TASK Force started its six-monthly sessions in December and met with Children's Cove staff as well as partner agencies such as the Barnstable County's District Attorney's office, Barnstable County's Sheriff's Office, the Yarmouth Police Department, Barnstable Superior Court and more. In addition to education, throughout the sessions the TASK Force was divided into three teams to develop their own social media awareness campaign, using a variety of platforms such as Instagram and Snapchat. By the end of

April (Sexual Assault Awareness Month), with their combined effort through use of social media and in person communication, the Teen TASK Force had directly reached over 500 students, teachers, parents and friends with the message of child sexual abuse awareness and their messages of support were viewed more than 9,000 times as identified by online view metrics and interaction. Children's Cove began working at the end of the fiscal year to partner with another Cape Cod high school to continue to the program.

In June of 2017, Children's Cove was awarded a grant through the AmeriCorps Volunteers in Service to America (VISTA) Program. The AmeriCorps VISTA Volunteer Coordinator will be providing service to Children's Cove and the Cape & Island community for a one year period to build upon and further develop the volunteer program. As a part of a core mission value of raising awareness through community members, events and organizations, volunteers are an essential part of that mission.

All Children's Cove services are free of charge.



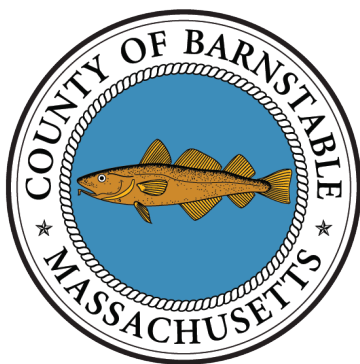
FY'17

CHILDREN'S COVE

Report of the Barnstable County

DREDGE

THE CODFISH





Barnstable County Dredge

The Codfish

Superior Court House
P.O. Box 427
Barnstable, MA 02630



M/V “J.W. Doane” with dredge “Cod Fish” passing through the Cape Cod Canal.

Administration

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Staff

Stephen Bradbury, Captain
Christopher E. Armstrong, Leverman
Jason Bevis, Deckhand
Cory Fleming, Deckhand

INTRODUCTION

In 1993 Barnstable County conducted a needs assessment and cost benefit analysis of operating a municipal dredge program on behalf of the towns. This report documented that a County operated maintenance-dredging program would be both beneficial to the towns and cost effective to operate.

The County and its legislative delegation approached the Massachusetts Department

of Environmental Management (DEM) and requested financial assistance in the form of a \$1 million capital grant for the purchase of a dredge and ancillary equipment. Prior to this grant, the state was responsible for funding 75% of the cost of municipal dredge projects and the town was responsible for the remaining 25%. However, funding constraints at the state level meant that much of the dredge work was not completed on a timely basis or was never accomplished. As stipulated in the grant Agreement, the provision of a capital grant replaces the state funding for municipal dredge projects here on the Cape.

The Barnstable County Dredge Advisory Committee was established in October of 1994. The Committee has representation from all of the Cape towns, except Brewster, which has no navigable harbors, DEM and County staff. The Advisory Committee is responsible for developing the dredge schedule and recommending the dredge rate each fiscal year.

COMPLETED DREDGE PROJECTS:

To date the County has dredged 1,856,254 cubic yards of material from the waterways in 16 Cape and Island towns over 21 years. Barnstable County dredged these waterways at a rate approximately 65% below the market rate. The cost per cubic yard to dredge this material ranged between \$3.33 and \$13.00 per cubic yard. The average market rate for dredge services is over \$18.00 per cubic yard.

If there were no Barnstable County dredge program, it would have cost the tax payers an additional \$530,602 to complete the dredge projects that the County has completed on behalf of the towns on the Cape and Islands in FY 2017. This amount is based on the state paying 75% of the cost of town dredge projects at \$18.00 per cubic yard.

The following projects were completed this fiscal year totaling 77,658 cubic yards of material to

nourish the beaches:

- Allen Harbor Approach Channel
- Chatham, Aunt Lydia's Cove
- Dennis, Bass River
- Falmouth Green & Great Pond Inlets
- Harwich, Allen Harbor Inlet
- Mashpee, Popponesset Bay Channels
- Yarmouth, Parkers River Channel

In addition to a reduced rate for dredging services, the County conducts before and after dredge surveys at a savings of approximately \$6,000 per project to the towns. These surveys are invaluable records in the event of a major hurricane for submission to the Federal Emergency Management Agency as documentation of storm damage.

FISCAL STATUS

The operating revenue for FY 2017 was \$867,242.

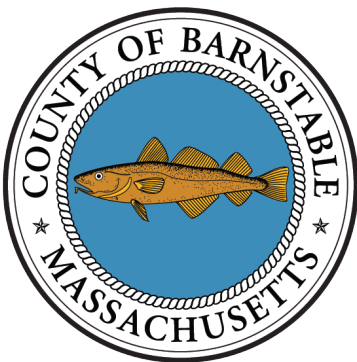
Chatham's south coast shoreline dredging project at Mill Creek Mill Creek.





FY'17

Report of the Barnstable County
**FACILITIES
DEPARTMENT**





Department of Facilities

3195 Main Street/Route 6A

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Barnstable, MA 02630

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Administration

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Eileen O'Connell, Executive Assistant

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Deborah Reynolds, Custodial Supervisor

Maintenance Staff

Thomas Butler, Journeyman Plumber/
Equipment Specialist

Dana Cook, Equipment Specialist

Jose Couto, Custodian

Cory Fleming, Maintenance/Repair

David Hoeft, Custodian

Michael Horne, Custodian

Parker Kelley, Repair/Custodian

Michael Lally, Custodian

Robert Leite, Custodian

Aurelio Lima, Custodian

Jairo Oliveira, Custodian

Richard Pacheco, Custodian

Frank Tavano, Maintenance/Repair

Cynthia Weekes, Custodian

Dave Eaton, Mail Clerk

The Facilities Department is responsible for all physical plant operations, general maintenance and planning within the Barnstable County Complex, Second District Courthouse in Orleans, Children's Cove, White House Administration Building, Extension Farmhouse, certain county residences and the former House of Correction.

The physical plant consists of the following nineteen elements:

1. Superior Courthouse, County Complex
2. Deeds and Probate Court, County Complex
3. First District Courthouse, County Complex
4. Police Service Building, County Complex
5. County Complex Grounds, Barnstable
6. County Residences, Bourne
7. Second District Courthouse, Orleans
8. Children's Cove, Barnstable
9. Extension Farmhouse, Barnstable
10. White House Administration Bldg., County Complex
11. Cape Cod Commission, cleaning only
12. Rest Area (seasonal)
13. Recycle Building, Barnstable
14. Former House of Correction, County Complex
15. Health Lab/Water Testing, County Complex
16. Innovation Building, County Complex
17. RDO/Americorps Residence-Bourne, MA
18. RDO/Americorps Residence, Wellfleet, MA
19. Fire Academy, Barnstable

The Facilities Department budget provides funding for the following:

- HVAC, plumbing and electrical systems
- Utilities
- Grounds and parking lot maintenance
- General maintenance and custodial services
- ADA administration and compliance
- Safety and security programs
- Mail collection and distribution
- Rest Area, Route 6, Barnstable, Custodial Services
- County Recycling Program

Second District Courthouse

Grounds Maintenance.....	\$3,882.00
Snow Plowing	\$5,400.00
ADA Improvements	\$7,500.00

Superior Courthouse

Exterior Brick Repair/Waterproof	\$9,650.00
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First District Courthouse

Ceiling Replacement	\$7,680.59
Painting Juvenile Offices	\$7,100.00

Registry of Deeds/Probate

Repoint Exterior Brick	\$7,150.00
HVAC Replacement	\$11,175.90



Renovations to the former House of Corrections at the top of the County Complex. This wing will become a new hearing room and meeting space for the Assembly of Delegates.



County Complex

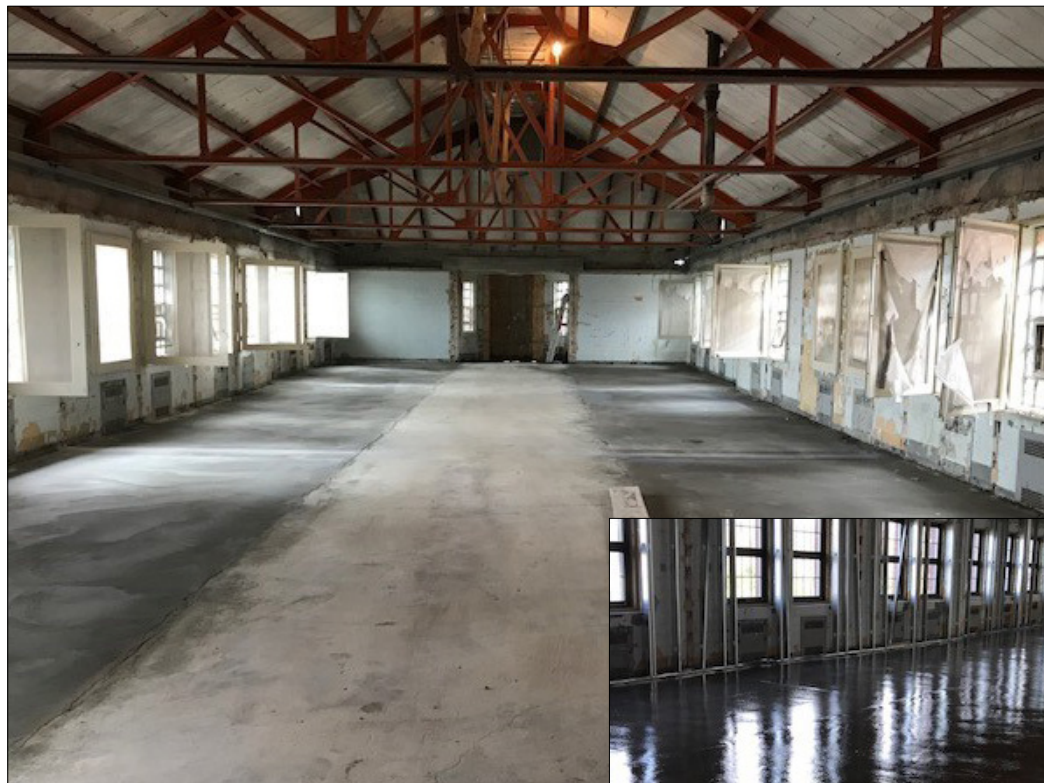
Emergency Snow Removal.....	\$600.00
Grounds Maintenance.....	\$22,184.50
Asphalt Services/Road Repair	\$4,000.00
Sewer Main Repair	\$2,069.04
Lock/Security System	\$58,334.00

Former House of Correction

Renovations	\$81,770.00
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White House

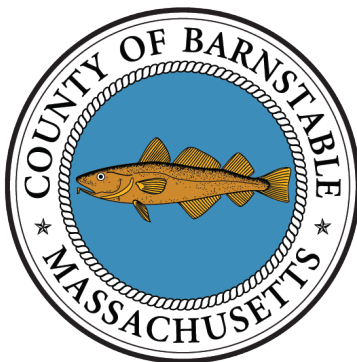
HVAC Improvements	\$4,415.00
TOTAL.....	\$232,911.03



Interior of the east wing of the former House of Corrections, which is being renovated into new public meeting space



Report of the Barnstable County
**FIRE TRAINING &
RESCUE ACADEMY**





Barnstable County Fire & Rescue Training Academy

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Chief Paul Tucker, Retired, Deputy Director
(508) 375-6987 | ptucker@barnstablecounty.org
Fire Marshal Stephen Coan, Retired, Special
Assistant to the Director
(508) 375-6984

Rescue Programs

Captain Thomas Kenney
(508) 375-6984

Haz Mat Programs

Chief Norman Sylvester

Fire And Rescue Classes Held

- BCS Boot Camp 12 day program
- Boat operator awareness
- Company Evolutions: four – 1-day classes
- Dive Drill – 1 day
- EMT & Para-med training – 72 days
- Explosive Reactive Chemical Training: one – 1 day
- Extrication with Air Bags & Struts
- Fire Instructor: one – five-day class
- Fire Officer: one – five day class
- Flow Path training
- Geographic Response Plan Training exercise
- HazMat Awareness: 1 day
- Heavy Rescue Operations: 4 days
- Hoarder Homes Piles for Fire & EMS
- ICS-300: one – 3 days

Mask Fit Program

Lieutenant Scott Smith
(508) 375-6985 | ssmith@barnstablecounty.org

Maritime Program

District Chief Michael Dandurand,
(508) 375-6986 | mdandurand@barnstablecounty.org

Firefighter 1/11 Program

Captain Joseph Mayo & Captain Chris Beal
(508) 375-6982 | jmayo@barnstablecounty.org

Industrial Programs

**Lieutenant Joseph Pouliot & Inspector
Donald Campbell**
(508) 375-6983

- ICS-400: one - 2 days class
- Introduction to Airport & Aircraft Familiarization
- Live Burn: twenty-six - 1-day class
- Managing Fires in 2 ½ Story Wood Frame Deswellings three – 1-day classes
- Nozzle Forward: one – 5 days
- Personal Safety Ropes
- Pump Operations: one - 4-day class
- Search-SCBA: 1 day
- Solar PV Safety for Firefighters: three – 1-day classes
- Surviving the Mayday: 1 day
- Tech Rescue Drills
- Firefighter I&II 2017 – 15 weeks
- Firefighter Refresher: thirty nine – 1 day classes
- Mask Fit Program 2017

Industrial Programs

- Advanced Marine Firefighting
- Basic Marine Firefighting
- Electrochean Solutions
- Entergy Nuclear Operations
- Industrial Confined Space & HazMat
- Massachusetts Maritime Academy

Departments Using The Burn, Search Building Or Facilities

Cape Departments

- Barnstable County Sheriff Correctional Recruits
- Barnstable Fire Department
- Bourne Fire Department
- Brewster Fire Department
- Cape Cod Regional Law Enforcement Council Swat Team
- Centerville Osterville Marston Mills Fire Department
- Chatham Fire Department
- Cotuit Fire Department
- Eastham Fire Department
- Falmouth Fire Department
- Falmouth Department of Public Works
- Harwich Fire Department
- Hyannis Fire Department
- Mashpee Fire Department
- Massachusetts Military Reserve Fire Department
- Orleans Fire Department
- Provincetown Fire Department
- Sandwich Fire Department
- Wellfleet Fire Department
- West Barnstable Fire Department
- Yarmouth Fire Department
- Yarmouth Police Department
- Off Cape Departments
- Kingston Fire Department

- Plainville Fire Department
- Plymouth Fire Department
- Mansfield Fire Department
- Sherborn
- Wareham Fire Department

Self Contained Breathing Apparatus (SCBA) Mask Fit Testing

SCBA Fit testing for 2017 was a successful year with 544 Cape Cod firefighters from 19 fire departments including the Barnstable Municipal Airport tested the highest number tested to date. On average to have a company come to the cape and test each Firefighter there is an associated cost of anywhere from \$35.00- \$50.00 per test or \$19,040 - \$27,200. The Barnstable County Fire Academy does not charge its fire departments to come out and test the firefighters which provides a savings to these Cape departments.

This year we were fortunate enough to have two FIT test machines that worked flawlessly throughout the testing season. These testing machines were able to give us the most specific testing to meet the standards of OSHA, NFPA and NIOSH. Along with being more specific it is an easier, faster test then we have seen in past years and in return benefits the departments and the Academy by saving time and money.

I would like to thank the staff members at Barnstable County Fire Rescue Training Academy for your devotion and professionalism. Without this team, it would not have been such a successful year.

ICS Advanced Application Programs (ICS-300 & ICS-400)

The Academy continues to deliver ICS 300 & 400 programs for moderate amount of Barnstable County personnel as well as some off-Cape management personnel. We continue this without the support from MEMA since they no longer support outside agencies. These programs were very well attended and still appear to be in high demand although not as high as previous years.



Our plan for the near future is to continue to deliver these programs on a regular basis. This year we had 19 students attend the ICS-300 class and 27 students attend the ICS-400 class. We currently have an ICS-300 class scheduled in December 2017 and an ICS-400 class scheduled in January 2018.

Objectives for the ICS-300 class include: Describe how the NIMS Command and Management component supports the management of expanding incidents, Describe the incident/event management process for supervisors and expanding incidents as prescribed by the Incident Command System (ICS), Implement the incident management process on a simulated expanding incident, Develop an Incident Action Plan for a simulated incident.

Objectives for the ICS-400 class include: Explain how major incidents pose special management challenges, Describe the circumstances in which an Area Command is established, Describe the circumstances in which Multiagency Coordination Systems are established, Use ICS to manage an incident or event.

Thank you,
Kevin Long
Fit Test & ICS Coordinator

Professional Development Programs

Fire Instructor I & Fire Officer I

Both these classes were held this year and these programs were very well attended and still appear to be in high demand we will continue to run these programs annually in the fall.

Fire Programs

In FY '17 the BCFRTA has offered a number of nationally recognized fire training programs offering state of the art technology and tactics for the fire service today. Among them:

- Nozzle Forward – advancement of fire hose lines
- Photovoltaic Issues for Fire Fighters – fire hazards from solar panels

Hoarding Hazards for Fire Fighters & EMT's

We also continue to offer in-service training to on-duty fire personnel thus fulfilling national training standards while lowering training costs for local communities.

We continue to work in conjunction with the State Fire Academy to offer the highest level of training opportunities to Cape Cod Fire Departments.

Chief Paul Tucker (retired)

Deputy Director

Rescue Programs

Rescue programs continue to support the other programs being delivered at the academy as well as, participation in the Firefighter I/II class and Firefighter Survival Skills. In support of the Industrial aspect, we continue to offer multiple classes in the Dangers of Confined Space Operations to the Public Works Department of Cape Cod.

Thomas Kenney

Program Coordinator

Maritime Programs

Massachusetts Maritime Academy

The Barnstable Fire Rescue Training Academy continued to provide fire training to MMA cadets as well as staff and the Steamship Authority through the con-Ed program at MMA.

The year began with the Sea Science Leadership Program at the beginning of August, which is a two-day program aimed at future cadets that may attend MMA. This program is attended by high school students ranging in age 15-18 from throughout New England.

The cadets training began with the freshman orientation in August which is 7 consecutive days of basic FF skills that we deliver at MMA.

In September through December the sophomores and seniors who are in the marine

licensing programs of Marine Transportation and Marine Engineering are trained at BCFRTA to fulfill requirements of the STCW (Standards for training certification and watch keeping) prior to their graduation and licensing by the USCG. The Juniors in these majors do their training in the spring.

In addition to the MT and ME majors we also conducted 2 one-day basic FF program for cadets in the Emergency Management degree program in November and May.

Breakdown:

- SSLP - one lecture and two practical days at MMA, **119 students**
- (4C) Freshman - two lectures and 7 consecutive practical FF days at MMA, **452 cadets.**
- (3C) Sophomores - two lectures and 9 practical FF days at BCFTRA, **174 cadets.**
- (2C) Juniors - two lectures and 9 practical FF days at BCFRTA, **188 cadets.**
- (1C) Seniors - two lectures and 8 practical FF days at BCFRTA, **184 cadets.**
- Fire Dynamics (Emergency Management majors) - one practical FF day, **17 cadets.**
- Total cadets trained for FYI 2017: **1,065**
- We also delivered one two basic FF STCW classes through the MMA con-Ed program. The majority of students in this program are from the Steamship Authority and MMA staff.
- Two-day Basic FF STCW, **18 students**

New England Maritime Institute

NEM is a private maritime training school that BCFRTA is contracted with to deliver a two-day basic and five-day advance STCW FF class.

This year we delivered 5 two-day basic FF classes and 1 five-day advanced class.

- Basic FF, **50 students**
- Advanced FF, **8 students**

Respectfully submitted

Michael Dandurand

District Chief NBFD

Program Coordinator

Firefighter 1 & 2 Program

On January 30, 2017, the Barnstable Fire Academy started its 2017 Fire Fighter 1-2 program. The class began with 26 students from the towns of Bourne, Brewster, West Barnstable, Wellfleet, Dennis and Yarmouth.

These students were trained in the areas of Hazardous Materials Operations level, Protective Clothing, SCBA, ladders, fire suppression, search and rescue among other areas all meeting the requirements to be tested and certified Firefighter 1-2 by the Massachusetts Fire Training Council.

The students participated in the program that was shortened to 16 weeks, meeting Monday and Thursday nights classroom, along with all day Saturday practical sessions.

On Saturday May 20, 2017, the Barnstable Fire Academy along with the Director, Deputy Director and Staff were proud to bring forward 21 students to graduate and move on in their endeavors to assist their respective communities.

Capt. Chris Beal

Capt. Joe Mayo

Program Coordinators



Industrial Programs

Again in 2017 we continued our long-standing relationship with providing Fire Brigade training to Entergy Nuclear Power Plant located in Plymouth Massachusetts. The NRC mandates that it's employees follow strict training and safety guidelines. This training is required on a yearly basis, our staff continues to train on new programs and to keep updated on current standards.

The Academy entered its fourth year of training cadets of the Massachusetts Maritime Academy with firefighting techniques. Each year this program sees an increase in the number of students the staff trains.

For the second year our staff provided fire training to employees Electrochem of Raynham Massachusetts.

We continue to reach out other organizations and businesses and offer our services in the areas of fire and work place safety.

Joseph Pouliot & Donald Campbell
Program Coordinators

Director's Comments

As I have said in the past, the Barnstable Fire Academy is a vital regional training facility for the Fire Department in Barnstable County. If it was not for this academy some fire departments would have to travel over three hours to get to the next closest fire academy. Plus, the fire departments can train with their own equipment at that Barnstable Fire Academy.

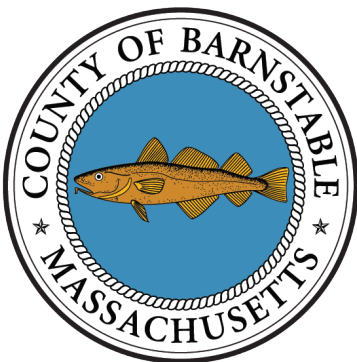
I would like to thank the Cape legislative delegation along with the Barnstable County Fire Chiefs, for helping the academy obtain an earmark for FY 17. With that money, we were able to buy needed equipment and improve our gas props, alone with offering the most up to date training programs.

Some of the other programs that were offered at the academy this past year were: Fire, Technical Rescue, Emergency Medical Services, Incident Management Team, Regional Emergency Planning Committee, Maritime, and Police Training and a weekend training seminar for the lower cape fire departments. We also did Incident Command System, and National Incident Management Systems training for Barnstable, Nantucket, and Dukes Counties

I would like to take a moment to thank the staff, county employees, all the Barnstable County Fire Departments, and the county commissioners for all their support this past year.

Chief George Russell, (retired)
Director of Fire Training

Report of the Barnstable County
**DEPARTMENT OF
HEALTH &
ENVIRONMENT**





Department of Health & Environment

3195 Main Street / P.O. Box 427

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Environmental Health Division

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Alternative Septic System Tracking Program

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Alternative Septic System Test Center

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Project Assistant

Public Health Nursing Division

Mark E. Collins, M.D. Medical Consult/
Director

Deirdre Arvidson, B.S.N., R.N., Public Health

Fiscal Year 2017 In Review

Since its creation by a Special Act of The Legislature in 1926, the Barnstable County Department of Health & Environment (BCDHE) has been providing instrumental services to local boards of health that promote regional efficiencies while continuing to support each individual town's autonomy. The role of public health ranges from emergency planning to environmental monitoring (beaches, landfill surveillance, indoor air quality), disease prevention, environmental health and safety training, smoking prevention, health screening and encouragement of healthy lifestyles, community sanitation and even the practical application of providing loans for septic system repair and replacement. The primary mission of the Department is to protect public health and the environment and to promote the physical and mental health and well-being of the residents

Nurse

508-375-6617 | darvidson@barnstablecounty.org

Debra Jones, Administrative Assistant
508-375-6837 debra.jones@barnstablecounty.org

Cape Cod Regional Tobacco Control Program

Robert Collett, B.S., Program Director
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Community Septic Management Loan Program Division

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M. Angela DoCarmo, A.A., Administrative Assistant
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Cynthia L. Madden, B.S., Billing / Collection Specialist
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of Barnstable County. The following division structure reflects a diversity of services in nearly every aspect of public health.

Administration

The Administration Division oversees the Department's budget and programs and provides an avenue through which citizens and towns can directly access services and information relative to public health and the environment. In FY2017, the Administrative Division prepared several grants to support the following: bathing beach monitoring, the Massachusetts Alternative Septic System Test Center (MASSTC), homeland security efforts, assistance with hoarding, public health screening for at-risk populations, public health emergency preparedness efforts and the Cape Cod Medical Reserve Corps, which serves the towns when public health emergencies arise.



Since 1999, the Massachusetts Alternative Septic System Test Center has sponsored research and assisted in testing numerous technologies focusing on the discharge of contaminants from on-site septic systems.

Environmental Health

Inspectional Services

Barnstable County Department of Health and Environment field staff members maintain the readiness and certifications necessary to assume health agent responsibilities in any town whose needs require immediate assistance for any reason. The Department's close and regular communication with local boards of health and their agents makes any such event seamless to the public.

Additionally, under the supervision of Senior Environmental Specialist Lynn Mulkeen, the Department provided training to three seasonal health inspectors who worked full-time through the summer to assist local boards of health in meeting the public health and safety demands of Cape Cod's busiest tourist season. In addition to general support services, department inspectors conducted over 1,000 restaurant/retail food establishment and swimming pool inspections across Barnstable County in FY2017, including complaint follow-up and repeat inspections when necessary.

Massachusetts Alternative Septic System Testing Center

In operation since 1999, The Massachusetts Alternative Septic System Test Center continues to remain on the cutting edge of researching and testing technologies that remove contaminants from wastewater discharged through on-site septic systems. This year, collaborative projects with partners in Long Island (Stony Brook University), Rhode Island (University of Rhode Island), Florida (researchers sponsored by the Florida Department of Health) and Massachusetts DEP gives promise for deploying low-impact sustainable modifications to standard Soil Treatment Areas (a.k.a. leachfields or leaching beds) to address the many problems associated with nutrients, pathogens and contaminants of emerging concern originating from septic systems

The Test Center also received a large grant from EPA to install 12 pilot projects at residences in the area.

Private industry, using in part information developed at MASSTC, is actively developing products that focus on nitrogen reduction to



A new weather station installed at MASSTC automatically uploads meteorological data for correlation with test data on soils-based systems.

protect sensitive marine resources. The Test Center is supporting their research by maintaining one of the few national testbeds where products can be tested using actual residential wastewater. MASSTC is financially supported by fees paid by companies conducting research and testing and many grants from EPA and Massachusetts DEP.



Among other projects, constructed wetlands using cattails is being researched at MASSTC by Stony Brook University.

Innovative/Alternative Septic System Education and Tracking

Concomitant to the ongoing efforts in the area of on-site septic systems at the Massachusetts Alternative Septic System Test Center (MASSTC) and in conjunction with the region-wide EPA Section 208 plan implementation, the Department assists towns in monitoring their I/A septic systems at no cost to the town. An Internet database was developed to collect inspection reports and effluent sample monitoring results. The database also gives regulators the ability to track the compliance of every system. At this time, over 2,400 I/A systems across the cape and islands are tracked by the program for operation and maintenance compliance. An EPA SNEP (Southeastern New England Program) grant received in early FY18 will allow the addition of 500 systems from towns on Martha's Vineyard and southeastern Massachusetts.

The program's exceptionally large monitoring dataset (currently over 20,000 sample reports) allows for a detailed analysis of I/A septic system performance. The additional data collected via the additional SNEP grant system will further enhance this already robust dataset. An online charting system makes I/A technology performance data more easily accessible for the boards of health and the public at septic.barnstablecountyhealth.org.



The Department maintains an interactive website where owners, regulators and other individuals can view how any alternative on-site septic system technology performs.

Landfill Monitoring



Senior Environmental Specialist Lynn Mulkeen collects a surface water sample at a capped landfill site as part of the Landfill Monitoring Program.

Eleven Cape Cod towns currently depend on Department staff for post-closure or operational monitoring of their landfills based on the consistently stringent requirements for continued surveillance of the groundwater in these areas. Annually more than 600 water wells and surface water sites are sampled as part of this program. The Department also assists five towns in the specialized quarterly monitoring of soil gases required as part of the landfill closure process.

Bathing Beach Water Quality Monitoring

The Bathing Beach Monitoring Program serves towns in Barnstable County through collection and analysis of weekly water samples at the town beaches. Semi-public beaches are also served though a paid subscribership. The Program notifies town health agents to post the beaches closed to swimming when bacteria levels exceed the allowable limits on two consecutive days. Immediate resampling is conducted to ensure that the beaches may be re-opened as soon as results are favorable. More than 350 beaches across Cape Cod are sampled every week in the summer months.

In FY2017, the task of overseeing this extensive program was executed by Environmental Project Assistants Bethany Traverse and Carol Eastman.

Over 4,400 samples were collected and processed during the summer bathing season from 241 marine and 110 freshwater beaches on Cape Cod. Testing results are published daily on the Department website as well as the Massachusetts Department of Public Health statewide beaches website.

For more information regarding the Bathing Beach Monitoring Program, please visit www.barnstablecountyhealth.org/bathing-beach-water-quality.



Summer Beach Sampler Beach Sampler/Analyst Elizabeth Reardon takes the temperature of the water at Hathaway's Pond in Barnstable.

Rabies Awareness and the Cape Cod Oral Rabies Vaccination Program

The Barnstable County Department of Health and Environment, in conjunction with the Cape Cod Rabies Task Force (CCRTF), continues to coordinate with local health directors, animal control officers and natural resource officers Cape-wide to contain of terrestrial raccoon rabies on Cape Cod. The raccoon variant of rabies was first identified in Bourne in 2004 and by 2006 was found in every town across Cape Cod. The CCRTF, co-chaired by Senior Environmental Specialist/Sanitarian Erika A. Woods and Karl Von Hone of the Yarmouth Division of Natural Resources, continues to meet regularly to facilitate the education of residents and visitors throughout Barnstable County in order to implement town policies and procedures.

In addition to education and policy, the CCRTF

works with USDA Wildlife Services, supported by the Massachusetts Department of Public Health to coordinate the semi-annual distribution of the Oral Rabies Vaccine (ORV), where in April of 2016 ORV bait distribution resumed north of the canal for the first time since 2003. The purpose of the approximately 72,000 baits that were distributed on the mainland side of the canal is to provide a buffer zone for Cape Cod and reinforce the effectiveness of the approximately 36,000 baits that were distributed on Cape Cod.

For more information about the CCRTF, please visit: www.barnstablecountyhealth.org/programs-and-services/rabies-awareness

The Cape Cod Hoarding Task Force

Hoarding behavior is characterized by difficulty discarding possessions to the point where the accumulation of these possessions compromises the intended use of living areas, creates distress in daily functioning, and poses risks to the health and safety of individuals in and around the home, as well as first responders. This newly recognized mental illness not only impacts individuals, families and neighbors, but hoarding also poses risks of enhanced fire danger, degraded indoor air quality, compromised structural integrity, and increased strain on town resources.

Chaired by Senior Environmental Specialist/Sanitarian, Erika A. Woods and overseen by a nine-member steering committee, the mission of the CCHTF is to provide education, collaboration and support for those affected by hoarding through accessible tools, referrals and resources. Using grant funding, the task force has presented an average of 2 professional trainings per year since its inception and has reached over 400 service providers, first responders, government agencies, health and mental health professionals. The task force regularly fields calls and emails from individuals struggling with hoarding, concerned family members, service providers, housing agencies and municipalities from each town on Cape Cod.

For more information about the CCHTF, please visit: hoardingcapecod.org.

Environmental Health and Safety



Improper storage of chemicals in a high school laboratory preparation room.

The chief goal of the environmental health and safety (EHS) program is to work collaboratively to promote and enhance environmental compliance, and improve health and safety in the workplace and beyond. This program seeks to push the envelope of more traditional approaches to focus on all-inclusive prevention or mitigation of the myriad of issues associated with the lack of EHS compliance within our community. Senior Environmental and Public Health Sanitarian Marina Brock provides site-based assistance to municipal agencies, private businesses, and the residents of Cape Cod to tackle these critical interests.

The support offered varies considerably with the individual facility, organization, and their needs. Assistance with Occupational Health and Safety Administration (OSHA) might include evaluation of hazardous work processes, recommending safe work procedures or best practices, providing training, reconciling grievances, and creating OSHA compliant plans. Through this program, we can also recommend and implement work process alternatives to eliminate or reduce compliance burdens and mitigate potential risks and workplace hazards. We also frequently act as an advocate to our local agencies, enabling the consolidation of resources, resolution of grievances and complaints, improvement of helpful assistance, and reduction of unproductive and costly enforcement actions and fines.

On the environmental side, the program's focus is

on hazardous material and waste management. All applicable EPA, state, local, OSHA, and NFPA standards are integrated to eliminate redundant compliance activities. By evaluating all EHS and OSHA issues, it is possible to streamline and reduce the overall compliance burden on our facilities, thereby preserving available resources. Our focus is on safe hazardous material management, addressing all areas of storage, use, and disposal. The program encourages the reduction of hazards and risks through the use of non-hazardous or lesser hazard materials, reuse or recycling of materials/wastes and lastly, appropriate disposal if no other options exist. In 2016/2017, we conducted 135 job and work site assessments, trained over 300 workers, fielded over 270 phone calls and addressed EHS issues in every town in Barnstable County.

The successes of our initiative include risk reduction and loss prevention in worker accident/injury/disability avoidance, and prevention of environmental degradation. All of these efforts have resulted in significant cost savings whether in the form of reduced Workman's Compensation claims and insurance premium costs, or cleaner drinking and surface waters, land and air. The program underscores what can be accomplished when existing resources come together as a team towards a unified goal encouraging a safer, cleaner environment. Our agency is also currently developing a partnership with regional public works authorities and is developing a regional OSHA training center for conferring basic OSHA certifications to local DPW workers adding further protection against work-related injuries and disability claims.

Most of the several hundred annual residential calls received by EHS cover the spectrum of IAQ including mold, hazardous material/waste, animal and vectors, asbestos, allergies, and other environmental illnesses. Additionally, the program can provide real-time assessment, identification, analysis, and resource assistance for lead paint, asbestos, mold, and numerous other household and workplace hazardous material issues.

Finally, the EHS program has a working relationship with various state and federal

agencies. In 2016, Marina Brock was nominated and appointed to the EPA government advisory council (GAC) representing local government, allowing the voice of local government to be heard nationally on many of these issues. Additionally, this program initiated numerous region-based projects this year and provided OSHA 10-hour general industry credentials to over 100 public sector workers. We collaborated with Dennis DPW on a pilot project for competency-based worker training, created several generic OSHA programs and systems, and we are in the process of evaluating particular worker job hazards to create improved job descriptions ensuring the creation of internal worker safety capacity.

Our local, regional, state and federal affiliations have proved extremely useful, providing applied field assistance in the form of direct program service to our towns, facilities, operators, and employees. Our partnership with Massachusetts Maritime Academy has also resulted in direct service to our municipal agencies last year, through internships, independent study programs, and individual projects in facility assessments/audits, development of written safety programs, standard operating procedures, and direct training.

Water Quality Laboratory



Laboratory Assistant Elna Hughes checks in water samples.

The Barnstable County Water Quality Laboratory is certified by the Massachusetts Department of Environmental Protection (MassDEP) Laboratory Certification Office and provides

analytical services to Barnstable County's private residents and municipalities alike. One primary directive of the Laboratory is to provide high quality analyses of various contaminants in drinking water. Accordingly, the Laboratory assists water departments on Cape Cod in meeting the monitoring requirements necessary for adherence to state and federal water quality standards. Water departments benefit from the flexibility of the Laboratory to assist when periodic problems arise, such as the seasonal and transient occurrences of bacterial contamination in the systems. The Laboratory also provides analytical services to owners of private drinking water wells and weekly sample pick-up in Wellfleet, Truro, Eastham, Brewster, Falmouth and Mashpee.

In addition to drinking water, the Laboratory conducted analyses of a wide variety of environmental samples during FY '17, including bathing beach samples (over 4,500 samples processed), shellfish harvesting area samples, pond and lake samples, wastewater samples from the Massachusetts Alternative Septic System Test Center (MASSTC) and elsewhere, swimming pool and spa samples and samples associated with town-requested special projects, such as continuing town-wide assessment of nitrates in the towns of Eastham and Truro.

In April 2016, Massachusetts Department of Environmental Protection launched the Commonwealth of Massachusetts' Assistance Program for Analyzing Lead in School Drinking Water. Barnstable County Laboratory was selected by the program to be one of the state certified laboratories to analyze Lead and Copper in drinking water from the schools on the Cape Cod and the South Shore. The Barnstable County Laboratory utilized its state-of-art instrument known as an Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) to analyze the samples. All the results and findings from our analytical analysis for this program were uploaded to the following web site:

www.mass.gov/eea/agencies/massdep/water/drinking/testing-assistance-for-lead-in-school-drinking-water.html

The Barnstable County Health Laboratory has

continued expanding its analytical capabilities. In FY '17 the Laboratory became certified for two new elements in drinking water, aluminum and manganese which now brings our total number of certifications to 55 water quality parameters. The Barnstable County Health Laboratory will continue to achieve more certifications to provide our clients with a larger number of analytical services. The Laboratory began the process of becoming certified to analyze for total phosphorus and ortho-phosphate, we anticipate certification in FY'17.

Additionally, the Barnstable County Laboratory purchased two new instruments, a PC-Titrator and an Ion Chromatography which will replace equipment more than ten years of age. The PC-Titrator is being used to analyze for pH, Conductance, and Alkalinity in water samples while the Ion Chromatograph is being used to analyze for nitrate, nitrite, and chloride in water samples as well. These two new instruments enable our laboratory to provide our customers with better service.

Community Septic Management Loan Program

The Community Septic Management Loan Program (CSMLP), aimed at upgrading failed residential septic systems to Title 5 standards, was made possible by the enactment of the Open Space Bond Bill of 1996. This law appropriated \$30 million to the Massachusetts Department of Environmental Protection (Mass DEP) to assist qualified homeowners in defraying the cost of complying with Title 5 regulations. In turn, Mass DEP used this appropriation to fund loans through the Massachusetts Water Pollution Abatement Trust (MWPAT).

For over a decade, the Barnstable County Department of Health and Environment has administered the CSMLP on behalf of all fifteen Cape Cod towns. As a way of streamlining the Program, Barnstable County secured special legislation in 2006 allowing CSMLP to borrow money directly from the MWPAT. To date, CSMLP has provided \$39 million in loans for over 3,400 septic system repairs. The interest rate



charged to homeowners remains at 5% as does the 20-year repayment term. Septic system repair projects including sewer hook-ups completed for FY2017 totaled 249. This translates to \$3.3 million in project costs. Program funds from the state remain available into the foreseeable future, allowing CSMLP to continue providing an effective and efficient means of assisting area residents with often cost-prohibitive yet essential septic system requirements.

It is important to note that the CSMLP is self-supporting through interest earned from loan program enrollment, thus saving taxpayers all operation costs and staff salaries for the Administrator, Kendall Ayers, and Assistants Angela Do Carmo and Cinthia Madden. Additional savings include all associated legal expenses such as title searches and recording fees at the Registry of Deeds. Efficiencies in administration of the program also made funds available to support repair of small commercial projects thereby providing financial assistance to small family-run businesses for their septic system upgrade needs.

For more information about the CSMLP, please visit our website: www.barnstablecountysepticloan.org.

Public Health Nursing Division

The Department's Public Health Nursing Division operates under the direction of Deirdre Arvidson R.N., B.S.N. who brings twenty-five years of nursing experience to the Department in a wide variety of health and community related services. In addition, a staff of 30 contract nurses assists in providing quality care to the region.

Programs of the Public Health Nursing Division include the Tick-borne Disease Prevention Program, Public Immunization Program, Sun Safety and Skin Cancer Awareness and Prevention Program, public safety personnel services, Occupational Safety and Health Administration (OSHA) Standard bloodborne pathogen/communicable disease training for public and private sector workers, the Municipal Health Group Biometric Screening Program, subsidized housing preventative health screenings, disease

surveillance, blood pressure clinics and the Ask a Public Health Nurse Program in food pantries. Division outreach efforts also include conducting health fairs and speaking at a wide range of venues. The Division also accepts nursing interns from schools such as Cape Cod Community College, UMass Boston, Wisconsin State, UMass Dartmouth, Worcester State, and other schools where students' needs for an internship placement can be matched to regional public health program needs. To date we have sponsored 30 students, including one doctoral candidate.

The Division's Public Immunization Program launched a public information campaign this year utilizing local radio and print to inform the public that we are a cost effective, convenient option to anyone seeking an immunization. A Mass Health and Medicare provider and, in collaboration with UMass Medical's School for Health Care Financing, we can bill most major insurance carriers, but we also immunize those without insurance, and we are part of the Federal Vaccine for Children Program. In addition, we provided 1600 flu clinics to all sectors of the population last year.

The Division's Ask a Public Health Nurse Program continues to expand providing valuable health resources to food pantry clients in 16 locations including blood pressure screenings, glucose testing, health counseling, distribution of relevant educational materials regarding illness prevention and means of tapping into valuable community health resources. Flu shots are also offered to food pantry staff and clients. The program has collaborated with the Hunger Network and Lower Cape Outreach to provide the Foods to Encourage (FTE) program, a chronic disease monitoring program in several locations. Clients with hypertension, diabetes, and pre-diabetes can come weekly for blood pressure and glucose testing. They receive health counseling, nutrition education, and an extra bag of produce. The FTE program is offered at the Friends of Bourne pantry, Harwich Family Pantry, Falmouth Service Center, Orleans Methodist Church pantry, and the Wellfleet community dinners. Ask a Public Health Nurse is also

located at the Salvation Army soup kitchen, A Baby Center, Falmouth Eats Together, Mashpee Food Pantry, Sandwich Food Pantry, Veterans Outreach food pantry, WIC office in Hyannis, and the Yarmouth Food pantry. New this year to the program are Cromwell Court in Hyannis, Children's Place in Eastham, Eastham Senior Center, and the Provincetown Council on Aging.

The Division has regularly scheduled blood pressure clinics at the YMCA in Barnstable, the Chatham Community Center, and the Eastham Public Library.

Because Lyme disease is endemic in this region, education about tick-borne illness prevention is vitally important, and the Division works as a part of the Barnstable County Lyme and Tickborne Illness Task Force. In FY2017, tick and Lyme education programming was offered to all Barnstable County schools, students and staff, and local groups, including pediatric practices, reaching more than 1,100 individuals and 700 school children. Outreach efforts have included local Farmer's Markets, Paw Palooza, Town Hall meetings, Cape Cod Baseball League, Wildlife Festival, and Bay and Wildlife employees. New this year is the Tick Talk Tick Awareness

Newsletter, published and distributed quarterly. We also offered and delivered tick disease prevention presentations to all pediatric practices in the county. Over 1,100 people were reached individually and 700 school children.

The Sun Safety/Skin Cancer Awareness and Prevention Program utilizes a UV skin analyzer to reveal sun damage unobservable to the naked eye. The screenings continue to be a powerful educational tool in raising awareness to the dangers to sun exposure. Our UV skin analyzer is also popular at health fairs and science fairs, including the Women's Cancer Awareness Expo in Falmouth. We are now a staple at the Falmouth School District's Middle and High School Science Fair.

In collaboration with the Municipal Health Group, the Division offers vital biometric screenings to all municipal employees through the Municipal Health Group Biometric Screening Program. Biometric screenings include weight and waist measurement, body mass index, blood pressure, pulse, glucose, cholesterol, bone density, skin analysis and hearing tests. This year we have added vision screening. All screenings include health counseling and up-to-date informative



Sun Safety Skin Cancer Awareness Program at Barnstable High School.



literature. The County Cooperative Extension nutritionist provides education and samples of healthy eating, while a Good Health Gateway representative utilizes screening data to provide a “heart age” for participants.

Finally, in cooperation with the Massachusetts Department of Public Health (MDPH) and local boards of health, the Division reviews disease surveillance for all Cape & Islands towns and provides case management for the town of Provincetown.

Cape Cod Medical Reserve Corps

The mission of Cape Cod Medical Reserve Corps (CCMRC) is to engage volunteers to strengthen public health and emergency response and to build community resiliency. Under the leadership of Director, Diana Gaumond, and Volunteer Coordinator, Marypat Kane-Oropallo, our pool of volunteers pitched in to help support this mission throughout FY2017.

CCMRC volunteers come to us with a wealth of experience and provide caring and expertise in clinical and non-clinical roles to support the Cape Cod community. Volunteers are trained in CPR, Emergency Preparedness, and Incident Command System. They participate in regular drills and trainings and very ably respond to both emergency and non-emergency situations.

In FY2017 we were fortunate to not have any scenarios that required emergency response. BCREPC tracked several blizzards and volunteers were on standby to provide assistance in emergency shelters if they were needed. We continue to work on our Ready Buddy program, offered at no cost to churches and other organizations, to help increase emergency preparedness to vulnerable members of the community.

CCMRC was able to support community resiliency in many ways throughout the year. Our volunteers staffed first aid stations at road races, including the Piggy Trot and Falmouth Road Races. We participated in health and safety fairs where we checked blood pressures, distributed

potassium iodide, and provided information and training on public health and preparedness. CCMRC also provided tick awareness education to staff at summer camps to address the vulnerability of young campers to tick borne illness.

CPR, along with AED training, was provided by AHA trained volunteers, who taught 17 classes and certified 284 people. We are trying to encourage more people to learn to respond to sudden cardiac arrest by learning Hands-only CPR. This can be learned in just 10 minutes, and MRC volunteers taught 818 people that skill last year. And Choke Saver Training was again provided to restaurant workers in most Cape Cod towns. Choke Saver training is required for restaurants which seat 25 people or more and CCMRC held these classes free of charge, saving businesses up to \$28,000.

We are looking forward to our Well Baby Fair in October and to providing ongoing public health support and education to the Cape Cod Community in the coming year.

For more information about the CCMRC, please visit www.ccmedicalreservecorps.org

Cape Cod Regional Tobacco Control Program

Cardiovascular disease and lung cancer are the leading causes of death in both men and women in the United States, yet both are preventable simply by avoiding tobacco use. These realities brought about the Cape Cod Regional Tobacco Control Program (CCRTCP).

Under the direction of Robert Collett, CCRTCP is supported through a state grant administered by the Department on behalf of all Cape Cod towns (except Dennis), Martha's Vineyard, Nantucket, Plymouth, Carver, Kingston, Middleborough, Marion, Rochester, Mattapoisett, Acushnet and Wareham. The Program's education efforts include two annual visits to each tobacco merchant in all 30 communities within the service area, and assisting local boards of health with promulgation and implementation of tobacco control regulations. A total of 1,132 tobacco sales

compliance checks (utilized to assure compliance with youth access laws) were conducted within the service area. Technical support is also provided to local multi-unit housing developments that are becoming smoke free. Additionally, CCRTCP works with other local Public Health/Prevention entities collaboratively to implement comprehensive substance abuse prevention strategies.

The CCRTCP consistently serves as a model within The Commonwealth of Massachusetts, and with our federal partners. For more information regarding the Massachusetts Tobacco Control Program, please visit www.makesmokinghistory.org.

Emergency Preparedness Division

Regional Emergency Planning Committee

Planning and implementing a regional response to disasters and emergencies on Cape Cod and Nantucket happens cohesively through the cooperative efforts of the Barnstable County Regional Emergency Planning Committee (BCREPC). The initial impetus for the Committee arose when local municipalities realized the advantage of having a regional coordinated approach to municipal compliance with the Superfund Amendments and Reauthorization Act, also known as SARA Title III. As the program demonstrated success and relationships were developed with emergency response stakeholders, the role of the Committee expanded to “all hazards” emergency planning to address homeland security, meteorological events, public health matters and regional sheltering issues that affect this region.

All fifteen communities on Cape Cod and, in addition, Nantucket, are represented on the BCREPC. The Committee meets regularly to hone their skills and strategize to address all types of emergencies. Chief Philip Simonian of the Yarmouth Fire Department and Chief Ronald L. Fiset of the Wellfleet Police Department serve as the BCREPC’s co-chairs. Their efforts

are supported by Barnstable County Emergency Preparedness Coordinator Sean O’Brien, Emergency Preparedness Project Assistant Amy L. Alati, Emergency Preparedness Project Assistant Phillip Burt, Incident Management Team Coordinator Michael Walker, as well as many private and public sector agencies that serve on the committee.

The winter storm season once again brought the need for activation of the Multi-Agency Coordination Center (MACC) and the Barnstable County Incident Management Team (BCIMT). The MACC worked with towns and state agencies to provide regional situational awareness statements and to coordinate resource requests during these events. The MACC continues to foster strong partnerships with local public safety agencies and utility providers.

The Barnstable County Incident Management Team, an integral part of “All Hazard” Emergency Planning and Response on Cape Cod, staffed the MACC during several storm events. The team was activated to provide incident support to several search and rescue operations throughout the year and provided training and facilitation of local and regional tabletop and live exercises. Throughout the year, staff worked to increase the capacity and resources of the MACC through the development of a regional emergency equipment cache.

The Sheltering Task Force—meeting under the direction of the Regional Emergency Planning Committee and Philip Burt, Emergency Preparedness Project Assistance—met regularly throughout the year to remain prepared for any shelter operations. Walk-throughs and shelter supply inventories were held at the regional shelters in Barnstable County, with assistance from numerous local non-profits and volunteer organizations, including groups such as the American Red Cross, Cape Cod Medical Reserve Corps, Cape Cod Disaster Animal Response Team, Community Emergency Response Teams, Amateur Radio Emergency Services, AmeriCorps Cape Cod, and the Lower Cape Animal Support Team.

In April of 2017, the Sheltering Task Force

completed a “shelter drill” at Falmouth High School. The drill involved many of the regional shelter partners as well as public safety personnel from the Town of Falmouth. The half-day shelter exercise simulated real-world sheltering scenarios and tested radio communications throughout the facility and with the MACC.

The Task Force continued to raise awareness of the regional sheltering program through community presentations and media releases. With the assistance of AmeriCorps Cape Cod, the shelter task force completed a second phase of shelter videos to raise awareness and recruit volunteers.

The BCREPC continued to update and expand the BCREPC website www.BCREPC.org, and further increased its use of social media (products such as Twitter and Facebook) to increase awareness, foster county-wide preparedness and disseminate updates to the public during regional emergencies.

Tier II Hazardous Chemical Emergency Report Inventory Program

When businesses and municipalities on Cape Cod and Nantucket use OSHA hazardous or extremely hazardous chemicals that meet or exceed federally enforced thresholds at their facilities, they are required to comply with the Emergency Planning Community Right to Know Act (EPCRA) and file annual reports. This annual reporting provides data for hazardous materials response pre-planning at the local level, protects first responders who work to mitigate spills or releases, educates facility workers in proper emergency response, and potentially offers protection to properties and the environment of Cape Cod.

Emergency Preparedness Project Assistant, Amy L. Alati, has provided Tier II hazardous chemical emergency report coordination, compliance trainings, and online reporting assistance to municipal and private facilities on Cape Cod and Nantucket since 2005. As a learning tool for other emergency preparedness committees,



The Regional Emergency Planning Committee hosted a South Korean Delegation of officials for a second year, providing training on about applying Tier II chemical inventory information to emergency planning and response efforts

presentations on the BCREPC's Emergency Planning Community Right to Know program were provided outside of Barnstable County.

467 chemical inventory reports were individually checked for quality, accuracy, and compliance to ensure the requested information from federal, state, and local emergency planning entities was complete (an increase of 45 from FY 2016). Each year, the Tier II program has increasingly saved this region's private businesses and municipal facilities thousands of dollars in report filing fees, training fees, potential violations, and lowered insurance costs.

The South Korean delegation on environmental technology paid a second visit to the BCREPC in 2017 to learn about applying Tier II chemical inventory information to emergency planning and response efforts. Amy Alati presented Right to Know program data to these officials and fielded questions on how to approach chemical facility concerns from the community.

Hazardous Materials Trainings

Since 2004, a primary function of the Emergency Preparedness Division has been to conduct innovative, cost-free hazardous materials awareness and response training programs for municipal agencies, such as health, police, fire, and public works departments. These programs promote regional preparedness among the towns, empower facility workers with improved safety and response skills, and enhance responder information and awareness, while protecting environmental health. This BCREPC program successfully trained 184 municipal employees in FY17. The BCREPC provides facility assessments for hazardous materials emergency planning and response, and participates in related chemical safety drills and technical workshops. These services to the towns result in savings in training, consultant, and insurance fees while improving town compliance with EPA and OSHA regulations.

Underground Storage Tank Program

The Barnstable County Department of Health & Environment continues to assist local fire departments and boards of health on Cape Cod with implementing regulations that require USTs to be removed from the ground at specified times. As an ongoing service to the towns, BCDHE tracks commercial tank tests and the removal of residential tanks. To reach property owners who need financial help in removing an UST at the end of its lifecycle, BCDHE continues to offer the Residential Underground Storage Tank (RUST) 0% Loan Program. This program provided discreet counsel and critical data to 56 Realtors and homeowners in FY17 regarding UST status in real estate transactions, loan application guidance, and loan payment collection services.

Cape and Islands Health Agents Coalition

This important collaboration, established in 2004, continues to provide the 23 towns of Cape Cod, Martha's Vineyard, and Nantucket with emergency preparedness planning, public health training workshops, continuing education credit, and new project guidance that emphasizes efficiency in regional public health practices. Members and affiliates of the Cape and Islands Health Agents Coalition (C&I HAC) have worked in conjunction with BCDHE by sharing resources and critical information to plan for and prevent public health emergencies. Town boards of health are supported with programs and information from BCDHE's public health nursing program, Medical Reserve Corps, fiscal/grant manager, staff assignments, and contracted public health nurses. These extensive efforts for the Coalition are supported by a grant from the Centers for Disease Control(CDC) and include credentialed trainings that prepare local boards of health for individual or mutual aid responses to public health threats and emergencies. Under the grant, public health emergency plans are maintained and regularly reviewed and exercised with the assistance of the contracted public health nurses. The efforts of BCDHE staff assist the

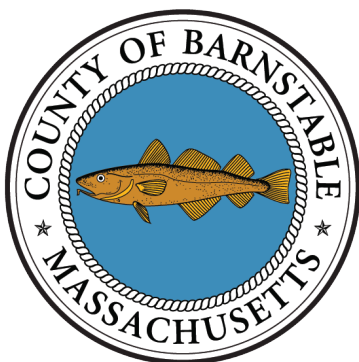


C&I Health Agents Coalition

towns with meeting, and exceeding, CDC and state health department mandated deliverable projects. Coalition meetings/workshops are open to the public and take place bi-monthly. Logistics,

planning, and facilitation of the meetings is coordinated by Amy L. Alati, Emergency Preparedness Project Assistant.

Report of the Barnstable County
**DEPARTMENT OF
HUMAN SERVICES**





Department of Human Services

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bchumanservices.net

improvements in the focus areas identified in the Department's Human Service Plan. A full copy of the plan can be found at www.bchumanservices.net



Overview

The mission of the Department of Human Service is to plan, develop, and implement programs which enhance the overall delivery of human services in Barnstable County and promote the health and social well-being of County residents through regional efforts that improve coordination of services.

The Department has a history of organizing regional approaches that promote health and wellness for underserved populations by mobilizing a community response to needs identified through community-based research and evaluation. The Department's primary role is to provide opportunities for exchange of information and encourage growth/

Healthy Connected Cape Cod

Healthy Connected Cape Cod is the conceptual framework that ties together the work of the Department. The principal aim is to facilitate connectedness by engaging residents, health and human service organizations, and coalitions and networks throughout Cape Cod in collaborations to plan and implement activities that promote

health and well-being through community engagement and social connections.

The underpinnings of the Healthy Connected Cape Cod conceptual framework are to: strengthen individual, family and community wellness with a community based health promotion and disease prevention focus; identify focus areas based on local qualitative and quantitative data regarding assets and needs; implement evidence-based activities and practices that resonate with community members; implement activities that are culturally appropriate and accessible to people with disabilities.

Barnstable County Health And Human Services Advisory Council

In 2004, pursuant to an Ordinance proposed by the County Commissioners and adopted by the Assembly of Delegates, the Department convened an advisory group made up of representatives of numerous County health and human services consortia and networks. The Barnstable County Health and Human Services Advisory Council (HHSAC), in conjunction with the Barnstable County Department of Human Services, is responsible for providing

advice concerning the human service needs of Barnstable County to County elected officials and administrators.

In order to achieve broad representation on the Advisory Council, representatives from County-wide associations and collaborative networks, working groups, and task forces are appointed by the County Commissioners in the areas of healthcare services and human services including:

- Barnstable County Human Rights Commission
- Barnstable County Regional Substance Use Council
- Cape & Islands Behavioral Health Provider Coalition
- Cape & Islands District Attorney's Office
- Cape & Islands Health Agents Coalition
- Cape & Islands Maternal Depression Task Force
- Cape & Islands Regional Network on Homelessness
- Cape & Islands Regional Domestic Violence Council
- Cape & Islands Suicide Prevention Coalition



Barnstable County Health and Human Services Advisory Council's Quarterly Meeting, February 2, 2017



- Cape & Martha's Vineyard Community Health Center Network
- Cape Cod Child Development
- Cape Cod Council of Churches
- Cape Cod Family Resource Center of Family Continuity
- Cape Cod Grant Makers Collaborative
- Cape Cod Healthcare Community Benefits
- Cape Cod Hunger Network
- Cape Cod Neighborhood Support Coalition
- Children's Cove
- Community Action Committee of Cape & Islands Community Health Network Area 27
- Community Network of Cape Cod
- Councils on Aging Serving Together
- Disability Network
- Elder Services of Cape Cod & Islands
- South Coastal Counties Legal Services
- Tri-County HIV/AIDS/Hepatitis C Consortium, Cape & Islands
- Upper Cape Health & Human Services
- Wampanoag Tribal Health Center
- YMCA of Cape Cod

A full listing of appointed representatives to the Health and Human Services Advisory Council can be found at www.bchumanservices.net.

Aging And Disability

SHINE

The Department administers the regional SHINE Program for Barnstable County. SHINE (Serving the Health Insurance Needs of Everyone) is a state health insurance assistance program that provides free health insurance information,



Sheila Curtis, SHINE Regional Program Manager

counseling and assistance to Massachusetts residents with Medicare and their caregivers. In FY17, 69 highly trained volunteer SHINE counselors provided free Medicare enrollment services to over 7,400 residents at 25 host locations throughout the region. SHINE partners with 14 towns in Barnstable County.

In FY17 the Regional SHINE program staff engaged in outreach activities reaching residents from each town on Cape Cod. SHINE staff conducted 23 presentations for 783 people; participated in 10 health fairs reaching 618 people; and published 178 articles for COA newsletter and local media outlets.

Healthy Aging Cape Cod

In FY17 the Department undertook a planning initiative to create a coordinated and comprehensive regional plan to promote the likelihood and ability of persons to age successfully on Cape Cod, regardless of income.

Healthy Aging Cape Cod is comprised of town and community leaders from across Barnstable County who are working to address quality of life issues so that Cape Cod remains a great place to grow up and grow old. The Steering Committee is comprised of several key community leaders and organizations such as Elder Services, Cape Cod Regional Transportation Authority, Cape Cod HealthCare, Yarmouth COA and Councils on Aging Serving Together (COAST), Cape Cod Commission, and Spaulding Rehabilitation Hospital.

Educational Forums

In March 2017 the Department sponsored the Gerontology Intensive Certificate Series at Cape Cod Community College. Workshops featured a focused, practical approach to understanding, assessing and intervening with a variety of concerns affecting older adults.

Behavioral Health

Substance Use Council

The Department convenes the Regional Substance Use Council (RSAC) comprised of town and community leaders from across Barnstable County. Barnstable County Department of Human Services staff supported the Council's work in FY17.

The purpose of the RSAC is to:

- Establish a communication infrastructure across towns, providers, organizations and individuals on Cape Cod;
- Identify needs and address gaps and disparities in the service system;
- Maximize interagency collaboration; and
- Maximize funding and resource opportunities.

The Department has provided the Council with an *Analysis of Substance Abuse on Cape Cod: A Baseline Assessment* and with an *Action Plan* for the period 2015-2020. The *Analysis* provides a snapshot of substance dependency and its related costs for Barnstable County. This informed the *Action Plan*, which sets forth the Council's approach to addressing substance use disorders on Cape Cod via workgroups which focus on prevention, harm reduction, treatment, and recovery initiatives.

The Department continues to manage two grant awards from the Massachusetts Department of Public Health (MDPH):

- The Massachusetts Opioid Abuse Prevention Collaborative (MOAPC) grant, which provides \$100,000 a year for up to 5 years to implement local policy, practice, systems and environmental change to prevent the misuse/abuse of opioids and increase the capacity of municipalities across the region to address these issues.
- The Substance Abuse Prevention Collaborative (SAPC) grant, which provides \$100,000 a year for up to 7 years to implement or amend local policy, practice, systems and environmental change to

prevent underage drinking and other drug use and to increase the number and capacity of communities addressing these issues.

In FY17 a major deliverable of the two grants was the creation of a county-wide public education campaign to prevent substance use and to reduce the social stigma surrounding it. A local graphic design and media company was hired to provide the local formative research needed to craft the campaign's message and to create the campaign for dissemination via print, web, and radio. The resulting campaign, entitled My Choice Matters, was launched in October of 2017.



Health Promotion

Prevention And Wellness Trust

Since 2014 the Barnstable County Department of Human Services has led a local partnership of three Community Health Centers and two community wellness providers as one of nine such partnerships in the state which receives funds in an innovative health and wellness initiative. The focus of the Barnstable County partnership is to help fight chronic illness and improve health outcomes on the community level while reducing health care costs. The Community Health Centers ("Clinical Partners") refer patients needing education for diabetes, hypertension, and falls prevention to the "Community Partners". Implementation began in January of 2015 and will extend through June of 2018 with an annual budget of approximately \$1.4 million. Through June of 2017 over 7,000 clinical screenings resulting in 1,886 referrals for disease management education have taken place.

The PWTF Partners are:

- Community Health Center of Cape Cod
- Duffy Health Center
- Harbor Health Center-Hyannis

- Health Living Cape Cod Coalition (comprised of the VNA of Cape Cod and Elder Services of Cape Cod & the Islands)
- YMCA of Cape Cod
- Barnstable County Department of Human Services (the Coordinating Partner)



Massachusetts Department of Public Health Award to Barnstable Prevention Partnership, June 13, 2017

Homelessness And Affordable Housing

Network On Homelessness

The Department acts as the convening agency for the Cape and Islands Regional Network on Homelessness. The Department's Director is a member of the Executive Committee and Policy Board and the Department's Administrative Assistant provides administrative support to the Network. In FY17, the Department supported this regional work by funding a Regional Network Coordinator.

Continuum Of Care

The Department is the Collaborative Applicant for the Cape and Islands Continuum of Care (CoC) and is responsible for developing the annual application for CoC funding. In FY17, the Cape and Islands CoC was awarded \$1.7 million dollars to support permanent supportive housing for chronically homeless, disabled households.

Other key responsibilities include developing a Coordinated Entry System (CES) for access

to CoC funded programs, technical assistance, training and monitoring of grantees, and conducting the Annual Point in Time Homeless Count in January 2017.

Home Investment Partnership

The Department administers the HOME Investment Partnership Program (HOME), a Federal block grant to state and local governments designed exclusively to create affordable housing for low-income households. HOME funds a wide range of activities including building, buying, and/or rehabilitating affordable housing for rent or home ownership or providing direct rental assistance to low-income people.

The Barnstable County HOME Consortium (BCHC) is comprised of the 15 towns in Barnstable County. The BCHC is a Participating Jurisdiction to receive and disburse HOME funds. In 2015, Barnstable County designated the Department of Human Services to act as the program's lead agent, responsible to HUD for all administrative functions related to the operation of the BCHC.

In FY17, the County's HOME Program was awarded \$379,833 to carry out the goals and objectives set forth in the 2015 – 2019 Consolidated Plan and Annual Action Plan.

In FY17, the HOME Program completed one rental project – Stable Path, 11 HOME units in Provincetown and assisted 21 new homeowners with down payment and closing cost loans.

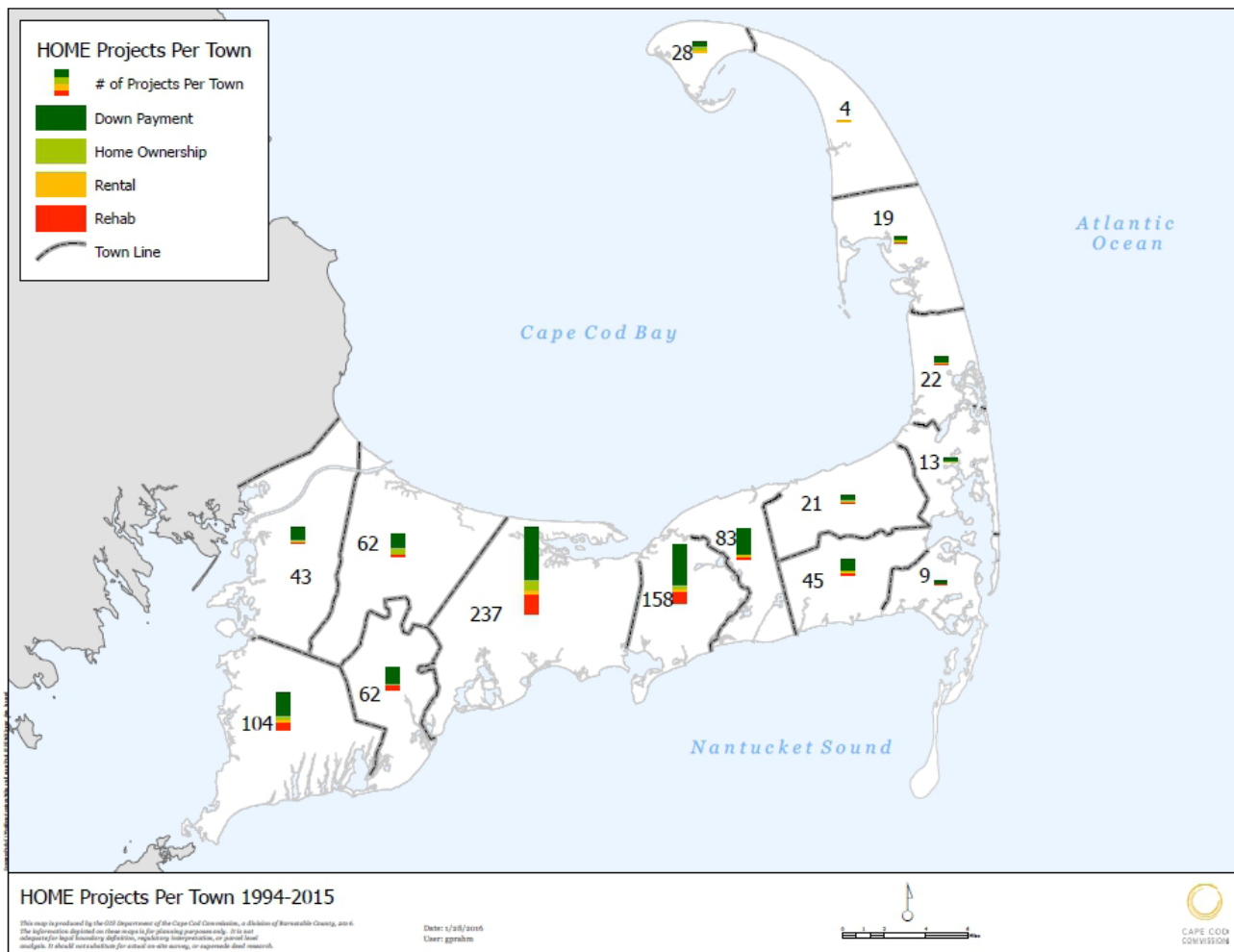
[INSERT HOME Funded Developments per Town Map.jpg]

Information Services

Data, Research, And Evaluation

Department's Senior Project Manager oversees data acquisition, localization, and presentation and provides technical assistance on research and evaluation methodology and strategies for program quality improvement.

In 2017, the Department's Senior Project Manager continued to build a repository of synthesized local data in the key topic areas of:



Number of HOME funded affordable housing developments in each town of Barnstable County.

Socio-demographics

- Natality and mortality
- Physical and emotional well-being, including mental health and substance abuse
- Access to health care and health insurance
- Access to intensive case management services
- Chronic disease morbidity, mortality, and prevention
- Community and primary health services
- Housing security
- Food security
- Income and poverty
- Public Safety
- Transportation
- Healthy aging

This repository presents topic-area data by population variables such as gender, age, race/ethnicity, and town of residence. The Department

has designed this repository to make it more accessible to the user and utilizes the Human Services Advisory Council to provide guidance on content and presentation.

Drawing from this repository, the Department's researcher responded to a number of specific requests from County Departments, residents, nonprofits, towns and media. Examples include:

- Barnstable County Sheriff's Office/House of Corrections
- Barnstable School District (Town of)
- Boys & Girls Club of Cape Cod
- Edible Cape Cod Magazine
- Calmer Choice
- Cape Cod Times newspaper
- Cape and Islands Suicide Prevention Coalition
- Cape Cod Healthcare
- Cape Cod Regional Transit Authority



(CCRTA)

- Commonwealth Mobile Oral Health Services
- Duffy Health Center
- Housing Assistance Corporation of Cape Cod
- Truro (Town of)
- Private Citizens

Examples of local data found on the Department's website include:

2013 Poverty Data by Town: Barnstable County and Towns, total households and population with gender and age details.

In Focus: The Demographic and Socioeconomic Landscape of Barnstable County (C. Stein) (June 2013) which provides a broad range of indicators on the demographic and socioeconomic characteristics of Barnstable County that are of particular relevance to the health and human services communities. The report was widely publicized and distributed to elected officials, funders, and nonprofits in the region.

Publications emanating from the RSAC work include:

A series of issue briefs presenting information on topics related to substance misuse and prevention. Two were produced in FY17. The first addresses how marijuana affects the teen brain, maturation, and risk, and the second addresses the impact of stigma on health outcomes.

RSAC Issue Brief 4: Marijuana and the Teen Brain (September 2016)

RSAC Issue Brief 5: Stigma, Health Outcomes and Why "Words Matter" (September 2016)

Additional publications from the RSAC work include:

Analysis of Substance Abuse on Cape Cod: A Baseline Assessment (V. Harik, A. El Ayadi, S. Kossow) (March, 2015)

The report provides a snapshot of substance dependency and its related costs for Barnstable County, Massachusetts. The report is intended to inform programming and policy needs as defined by the Barnstable County Regional Substance

Abuse Council.

Addressing Substance Use on Cape Cod:

Action Plan (August 2015) for the Barnstable County Regional Substance Use Council covering the period 2015-2020. The Action Plan provides guidance for the work of the RSAC in terms of prioritized goals and strategies for the coming 5 years.

Online Resources

The Department's flagship website **www.bchumanservices.net** is the central access point to comprehensive online resources for local health and human services issues. The website provides fact sheets, educational materials, and local research publications related to the Department's initiatives. The Department's website is home to a current list of crisis hotlines with mobile links accessible on cell phones, latest e-newsletters with sign-up and article submission information, and access to **www.mychoicematters.net**. In FY17, the Department's website had 14,792 visits, of which 60% were new users. Website users increased by 27% and visits increased by 17% compared to the same time frame of the previous year.

The Department supports two companion websites focusing on behavioral health and public health and wellness. These sites offer a medical library of peer reviewed material, community health indicator data, evidence-based model programs, current legislation, related news, and a robust **Health and Human Services Directory** listing 438 local agencies. In June 2017, the Department launched an update to the comprehensive searchable database of resources on aging and disability, behavioral health, crisis services, disease prevention and treatment, housing and homelessness, public health, substance use, and basic needs. During FY17, the two websites had a combined total of 178,486 visits with 244 average visits per day. The behavioral health website experienced a 58% increase in total visits and average visits per day compared to the same time frame of previous year. The public health and wellness website experienced a 93% increase in visits and average

visits per day compared to the same timeframe of the previous year.

In FY17, Department staff provided 10 onsite demonstrations to more than 100 attendees at five agencies and five regional networks, representing 15 towns. The presentations demonstrated how the Department's online resources can enhance the effectiveness of direct service staff. The agencies include the new Gosnold outpatient site, Cotuit; Outer Cape Health Services, Provincetown; Homeless Prevention Council, Orleans; and Emerald Physicians, Hyannis. The regional networks include the Councils on Aging Serving Together Outreach Workers Network; Coordinated Family Continuity Engagement Mid-Cape Advisory Council; Justice Resource Institute System of Care; Cape Cod Hoarding Task Force; and 22 police officers at the Crisis Intervention Team Training.

The Department also maintains an on-line **Accessibility Resource Center** with links to American with Disabilities Act (ADA) information, County Policies and Procedures regarding reasonable accommodations, and required text and accessibility symbols for use on print materials and meeting notices.

E-Newsletters

BC Human Services e-newsletter provides a wide range of information through publication of a bi-weekly e-newsletter to over 2,500 individuals and agencies. The e-newsletter informs the health and human services community of upcoming events, trainings, grant opportunities, resources, and opportunities for capacity building.

The Regional Substance Use Council e-newsletter provides monthly information related to substance use to over 800 individuals and agencies.

Health And Human Services Collaboration

The Department of Human Services staff provide leadership and support to regional groups and coalitions including the Barnstable County Regional Substance Use Council, Behavioral Health Provider Coalition, Cape Cod and Islands Community Health Network Area 27 (CHNA), Cape and Islands Regional Network on Homelessness, Cape Cod Hospital Community Benefits Committee, Executive Office of Health and Human Services Interagency Collaboration, Healthy Aging Cape Cod, Hoarding Task Force, Hunger Network, Network of Human Service and Faith Communities of the Lower/Outer Cape, United Way Community Impact Committee, and the Veterans Collaborative

Conclusion

In support of our mission, in FY 17 the Department managed more than \$2.7 million dollars in grants from a variety of state and federal sources to support the following regional programs – SHINE, Prevention & Wellness Trust Fund, HOME, Continuum of Care, and two substance use prevention programs.

Barnstable County Department of Human Services plays an important role in facilitating communication, fostering collaboration, planning, coordination, capacity building, and resource development to improve health outcomes for the residents of Barnstable County.

Respectfully submitted,

Elizabeth Albert

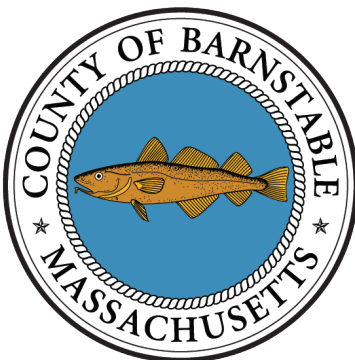


FY'17

HUMAN SERVICES

Report of the Barnstable County

INFORMATION TECHNOLOGY DEPARTMENT





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DEPARTMENT HISTORY & MISSION

The Barnstable County Information Technology Department (BCIT) was formed in July of 2005. The mission of the Department is to provide the technical support, network infrastructure, data storage, and computation resources necessary for Barnstable County to maximize its contributions to its constituents throughout the region.

While the focus of the Department is to further the success of Barnstable County, BCIT is also one of a small number of IT departments in the State that generates revenue by selling services to other municipal agencies.

Fiscal Year 2017

Throughout Fiscal Year 2017, BCIT has continued to provide access to business-critical applications like email, file storage, Internet access, telephony, and web hosting, with a special focus on new collaboration tools that will allow Barnstable County to operate more efficiently. A

review of all services provided by the Department is also underway in an effort to identify those which can be expanded to improve revenues or eliminated to reduce costs. Through this process, BCIT is realigning underutilized resources with underserved needs.

This report will provide a general status update, including an overview of key efforts undertaken throughout Fiscal Year 2017, as well as a roadmap of things to come.

Fiscal Year 2017 Strategic Outline

Beginning early in the calendar year, Barnstable County IT began working aggressively with the help of several consultants to expedite department-wide changes with the goal of reducing operating costs. The changes will bring about immeasurable benefits and cause a ripple effect of efficiency that will be felt across all County Departments.

Extensive work and research was completed

with software vendors and resellers to streamline licensing entitlements and fully commoditize the annual cost-per-seat for software and services going forward.

Full migration to cloud-hosted email services for all County departments was achieved, increasing the overall security and reliability of the service platform for all users. This was a necessary step for future plan to further consolidate systems and services to the cloud.

Investigative work on migrating to a next generation cloud-hosted telephone service yielded positive results in favor of moving away from traditional on-premises systems. This transition is anticipated to occur in Fiscal Year 2018, much sooner than expected.

Work began on gathering metrics for services and associated support needs in order to make sound business-driven decisions related to the continuation or expansion of support, versus the ramping down and/or discontinuing of specific services.

Rigorous testing of services and equipment for deployment both within the County and for regional customers began. Several key advancements have been identified that will allow IT staff to support a more consolidated portfolio of products and vendor services. This will allow staff to focus more on business needs and less time maintaining knowledge across divergent manufactures and service providers.

Although efforts were primarily focused on internal operational changes toward strategy, Fiscal Year 2017 stands to be one of the more progressive years in the department's history, as we continue to reinvent IT from the ground up, which will no doubt accelerate us forward in the coming fiscal year.

IT Service Catalog

The Barnstable County IT Department provides varying levels of support for technology as it applies to the many aspects of the County's operations. Throughout Fiscal Year 2017, the following items were either actively offered, supported or being developed. Several of these

services are also being considered for removal from the catalog due to strategic changes or consolidation with other services:

- Traditional voice phone service
- Video calling and content sharing
- Enterprise instant messaging and mobility
- Internet access (enterprise/branch office)
- Legacy telephone service
- Mobile device voice/data communications
- Virtual servers and networks
- Client-server multiuser applications
- Network user management
- Wide area networks (on-campus and regional)
- Workstation and device hardware and software
- Core network, server, and storage infrastructure
- General networking
- Domain registrations and security certificates
- Content management
- Web and public-facing internet-based services
- Audiovisual hardware and software
- Identity/access management, and single-sign-on
- Subscription cloud services (SaaS)
- Business continuity and disaster recovery
- Integration services
- Enterprise applications and platforms
- Fixed network (copper/fiber)
- Wireless network enhancements
- Conference calling and online meetings
- Mobile device management
- Procurement, vendor/service selection
- Subject matter recruitment assistance
- Enterprise resource planning platforms
- Asset management/disposal
- Email and calendar/resource scheduling
- Intrusion prevention and threat detection
- Content filtering
- 24x7 Monitoring and incident response
- Enterprise database
- Digital signage
- Social media and surveys
- Graphic/web design, video editing
- Business intelligence/reporting services
- IT project management
- General IT guidance and strategic planning
- Electronic signatures



Customers

The IT Department serviced the following customers to varying degrees in throughout FY 2017. As with the services indicated in the previous section, relationships with customers are expected to change substantially in the next fiscal year, due to changes in services offerings as well as external organizational changes.

- Assembly of Delegates
- Cape Cod Commission
- County Commissioners
- Children's Cove
- Dredge
- Cooperative Extension
- Facilities
- Finance
- Fire Training Academy
- Health and Environment
- Human Services
- Registry of Deeds
- Resource Development Office
- Cape Light Compact
- Town of Chatham
- Town of Falmouth
- Town of Truro
- Town of Wellfleet
- Retirement Association
- Cotuit Fire and Water

Core Projects and Service Highlights

Apart from the continuation of overarching efforts toward reimagining the IT department, several key items were undertaken or continued as initiatives for Fiscal Year 2017.

Microsoft Office 365: The deployment of updated Office applications was completed in December, with new versions of the popular software suite being installed on dozens of workstations and laptops across the Campus. This work ensures that all County employees are using a legal, secure copy of the software, along with feature and functionality parity from department to department.

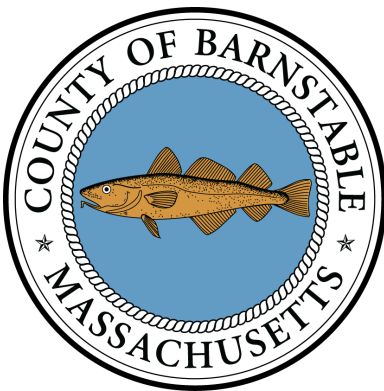
Microsoft Exchange Online: After the successful migration of all active Barnstable County email from the County campus to the Government Cloud was completed last year, and in tandem with the deployment of Office updates, the migration of all inactive accounts was completed in May. This amounted to several hundred mailboxes containing hundreds of thousands of individual items, now securely stored in the cloud.

Regional/Town Support: BCIT continued to work extensively with contracted municipalities in Fiscal Year 2017, providing services ranging from general IT support to assistance with major network infrastructure projects. All work in this category was completed under pre-existing contracts, with changes in terms anticipated going forward. This customer base enabled the Barnstable County IT department to generate approximately \$215,000.00 in revenue for Fiscal Year 2017.

Barnstable County IT is looking forward to a productive FY 2018 and will continue to pursue efficiency and deliver value to its customers in County government and the greater region.

Report of the Barnstable County
**RESOURCE
DEVELOPMENT OFFICE
& AMERICORPS
CAPE COD**

&





FY'17

Resource Development Office & AmeriCorps Cape Cod

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Darlene Johnson-Morris **Director of Resource Development** **Office & AmeriCorps Cape Cod,** **Retired, March 2017**

Darlene Johnson-Morris is an inspiration and champion for Barnstable County. Darlene's expansive thinking brought the national concept for AmeriCorps to Cape Cod, one of the most highly regarded AmeriCorps programs in the country. The AmeriCorps Cape Cod program continues to thrive after 18 years of dedicated service performed by countless educated members. Her remarkable commitment



to Cape Cod has brought value-added services that continue to preserve and protect the natural resources that make the Cape a distinctive place to live, visit, work and play.

As the Director of the Barnstable County Resource Development Office, Darlene applied her resourcefulness and forged key partnerships with local, state, federal and non-profit organizations. She shared her vision with schools, land trusts, and thousands of volunteers and formed longstanding collaborations with partners to implement natural resource management projects, many on town-owned conservation lands.

Superintendent of the United States Department of the Interior, George E. Price, Jr. writes that, "Darlene has established an extensive legacy of the AmeriCorps Cape Cod program since 1999. We have received over 70,000 volunteer

hours via numerous group service projects, annual individual placements, and more recently, the FireCorps. The entire county and 15 municipalities benefited from over 787,000 volunteer hours to date for 120 town, county, state, federal and non-profit and community-based departments and organizations.” These volunteer hours have been valued at a staggering \$21,616,290.

“As a mentor, steward, and visionary, Darlene has paved the way for hundreds of people from across the country to make Cape Cod’s environment and community a better place,” said Mike Maguire, Director at the Cape Cod Cooperative Extension and alumnus and former staff member of AmeriCorps Cape Cod. “Darlene’s dedication and passion for environmental conservation and service are both exemplary and inspirational.”

Through her insight, transformational leadership, and an ability to guide and motivate others to engage in community service, AmeriCorps Cape Cod members have provided essential services throughout Barnstable County, with many AmeriCorps members choosing to remain on Cape Cod and establish careers here. Moreover, her capacity to mentor and encourage young people to not only recognize how communities can be transformed through service, but how service can equate to purpose for oneself. Many past members continue to be aware of the personal impact of their AmeriCorps experience. A former AmeriCorps member writes, “I am awed to think about the number of service projects completed and life trajectories altered, all because [Darlene] decided to do the hard work to bring this program into existence.”

Darlene’s outstanding contributions also include Cape-wide education projects that have inspired community leaders and the public. Her efforts there have led to appreciation for the restoration and the protection of our valuable natural resources, to be well-prepared to respond to natural disasters, and to make affordable housing a priority. By educating the public and commissioners, she has encouraged the implementation of significant legislation

throughout Cape Cod.

Darlene’s influence over the years has been vast and positive. She has contributed both directly and indirectly to countless people’s lives. After 23 years of service, Darlene is retiring this year. We would like to recognize and honor Darlene Johnson-Morris as an exemplary public servant, a true community leader. Therefore, the AmeriCorps Cape Cod program has dedicated an award in her honor, called the Darlene Johnson Award. This award will be presented each year to a member who exemplifies what it means to serve the community.

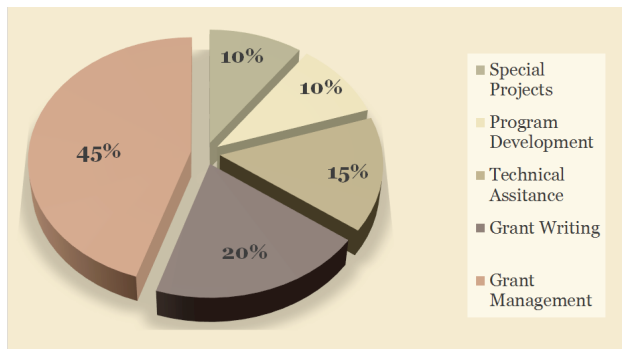
Resource Development Office



RDO Staff (left to right): Quan Tobey, Sonja Sheasley, Priscilla Ellis, Bobbi Moritz and Julie Ferguson.

The Barnstable County Resource Development Office (RDO) was founded on the belief that common problems can be solved through regional solutions, and is committed to the advancement of grant programs and creative uses of existing resources on Cape Cod. Since 1994, the office has worked to build, strengthen, and expand the capacity and resources of Barnstable County Departments and the 15 towns they serve. RDO mission is achieved through grant management, grant development, community outreach, and education.

RDO RESPONSIBILITIES



Please visit our website at www.barnstablecounty.org to get up-to-date information, sign up for the RDO newsletter, and provide intake information if you require technical assistance or services.

OVERVIEW

The Resource Development Office (RDO) is the grant management and development arm for the County of Barnstable. Our team provides grant writing services and technical assistance to all County Departments and any municipality within our regional government. We provide the fiscal oversight and management of County grants and contracts to ensure compliance with the Administrative Code of Regulations. The AmeriCorps Cape Cod program is programmatically and fiscally managed through the RDO.

Pathways Internship Program

The Barnstable County (RDO) team's vision of building a strong, centralized internship program that provides value-added resources to County Departments, became a reality during FY17. An intern from Massachusetts Maritime Academy majoring in Emergency Management, assisted in designing the initial phase of the Pathways Internship Program that resulted in a comprehensive needs assessment from County departments. In addition, RDO recruited an intern whose skills, technical background, and creativity led to a full-time position with the County that has expanded to include grant management, website re-design, social media outreach and educational presentations. Finally, RDO added two college students for our summer internship piece who provided expertise that

assisted the Human Rights Commission and the Resource Development Office with outreach through both print and social media.

FY18 will launch the next phase of this initiative where we will be partnering with Higher Education Institutions for credit based student internships.

RDO Grant and Contract Highlights

In FY 17 RDO provided fiscal oversight for more than 50 grants and contracts worth more than \$4.9 million dollars. The monitoring of fiscal protocols ensures audit compliance and favorable ratings for continued funding which has an enormous impact and benefits to our region.

Barnstable County AmeriCorps Cape Cod

The Corporation for National & Community Service, through a



competitive process, granted a VISTA member to Children's Cove to organize and implement an educational outreach program that raises awareness and mitigates the prevalence of child sexual abuse for Cape Cod and the Islands.

Massachusetts Department of Public Health Funds these initiatives:

- Substance Abuse Prevention Collaborative
- Opioid Abuse Prevention Collaborative
- Emergency Preparedness and Medical Reserve Corps
- Massachusetts Tobacco Control Program





Funded by:



CAPE COD HEALTHCARE

Cape Cod Cooperative Extension



The Woods Hole Oceanographic Institution (WHOI) Sea Grant Program has named the Cape Cod Cooperative Extension as a sub-recipient of funds originating from National Oceanic Atmospheric Administration (NOAA) to work in support of various programs. One such multi-year sub-recipient fund supports a Flood Plain Specialist focusing on efforts to educate homeowners, coastal resource managers, and the public to the flooding risks that currently exist, and those projected into the future. Another multi-year fund supports Cape Cod Cooperative Extension staff for coastal geology and aquaculture programs.

Children's Cove

Receives funding from the Department of Children and Families (DCF) to support programs for children and families affected by sexual abuse.



2017 Air National Guard/Ext. Partnerships Youth Camp

A summer program for military children and families designed to provide resources and engaging activities for youth whose families are serving in the military.



AmeriCorps Cape Cod Program

Since 1999, AmeriCorps Cape Cod members have diligently addressed critical environmental and disaster preparedness and response needs within our community and expanded volunteering opportunities for our community members.

In the past 18 years, members have participated in the following activities:

- Environmental Conservation Projects –
- Completed 3,726 land and water based conservation projects
- Environmental Education
- Taught 2,182 environmental education activities to 57,281 students
- Disaster Preparedness and Response Activities
- Taught 538 community disaster preparedness education classes
- Participated in 27 disaster simulations including the 2016 Barnstable County Regional Emergency Planning Committee Train
- Staffed each of the Cape's three regional shelters, as well as the Multi-Agency Coordination Center at Joint Base Cape Cod for the first 72 hours during the 2013 winter



FY'17

storm “Nemo”

- Staffed each of the Cape’s six regional shelters opened for public safety during 2012’s Superstorm Sandy
- Responded to the historic 2012 marine mammal stranding events affecting over 175 marine mammals
- Community Events
- Organized and participated in annual events including: National AmeriCorps Week, National Volunteer Week, County Day of Recognition for National Service, Arbor Day, Earth Day, Harwich “Tour de Trash”, Cape Cod Canal Clean Up, Barnstable County Hazardous Waste Collections, Boy Scout Emergency Preparedness Fair, Martin Luther King Jr. Day of Service, Coast Sweep beach clean-up, Project WET Festivals, and Brewster Conservation Day
- Fostering an Ethic of Service
- Engaged 11,942 community volunteers in over 39,726 hours of community service
- Delivered 271 presentations about AmeriCorps, national service, community service and/or civic engagement
- Community Collaborations –
- Partnered with over 150 federal, state, county and/or town departments, schools, community groups, and non -profit agencies
- Building Community
- 97% of AmeriCorps members have successfully graduated from the program.
- 109 Corps members have stayed or returned to the Cape after graduation to live and work for a period. Thirty-Eight alums are currently living and working on the Cape; 14 are working for Barnstable County or a Municipal department.

Estimated Value of Service to the Cape Cod Community: \$24 Million

- From Sept. 1999 to June 2017, AmeriCorps Cape Cod members have served a total of 803,799 hours.
- Volunteers recruited, trained and managed by Corps members have served 39,726 hours.
- * Source: The Independent Sector sets the State and National Volunteer Rate each year. (\$29.88 for 2016)

Following is a list of highlights of services provided regionally and to each town:

Countywide and Regional Services

Water Education Festivals (WETFest)

Taught over 1,165 students about groundwater, water quality, and other water issues relevant to Cape Cod through experiential learning activities.

- Bournedale Elementary School
- Peebles Elementary School
- Monomoy Middle School
- Oak Ridge School
- Wellfleet Elementary School
- Barnstable Intermediate School
- Quashnet Elementary School
- Eastham Elementary School

Martin Luther King, Jr. Day of Service 2017



“Beacons of Unity”



Community members rally to help address homelessness on January 16, 2017

The percentage of the Cape Cod population living in poverty more than doubled from 5.1% in 2006 to 11.3% in 2010. There are over 200 veterans and families who are homeless or at risk of homelessness. According to the McKinney-Vento Act's school district data, there are 248 homeless teens and 218 children on Cape Cod. The Cape and Islands Regional Network on Homelessness reported findings from its 2016 Point in Time count, conducted on January 27, 2016. The number of homeless individuals on the night of the count was 394, an increase of 38 persons from the 2015 count. These are very real issues facing Cape Cod, which is why this year's Martin Luther King Jr. Day of Service focused on just that: homelessness.

We gathered on MLK Day, Monday January 16th, at Dennis-Yarmouth Regional High School where over 220 volunteers alongside AmeriCorps Cape Cod members packaged donated toiletries in personalized tote bags to be distributed to homeless shelters and health agencies across the Cape. Groups of volunteers came from Cape Cod high schools and organizations such as Big Brothers and Big Sisters, Dennis Union Church Youth Fellowship, Girl Scout Troops 80728 and 80252, John Wesley United Methodist Church Youth Group, AmeriCorps MassLIFT, Shea's Youth Basketball Association, and the YMCA Teen Achievers. Officers from the Yarmouth and Dennis Police Departments also came to show their support.

Members had placed donation bins in high schools and police stations across Cape Cod starting in

early December. Locations included: Bourne, Sandwich, Mashpee, Barnstable, Dennis-Yarmouth Regional, Monomoy Regional, and Nauset Regional High Schools and Barnstable, Dennis, Mashpee, and Yarmouth Police Stations. In these bins we collected deodorant, toothbrushes and toothpaste, shampoo, body wash and soap, razors and shaving cream, and hand sanitizer.

With the collected donations and our MLK Day grant, written by the Barnstable County Resource Development Officers and funded by the Massachusetts Service Alliance and Barnstable County, members and volunteers could create over 300 tote bags that were distributed to health organizations and shelters throughout the greater Hyannis area. These organizations included Duffy Health Center, CHAMP Homes, the Housing Assistance Corporation (HAC), Catholic Social Services' St. Joseph's Shelter, Safe Harbor, and the Independence House.

Canal Cleanup, Earth Day, April 22, 2017



The rain didn't stop AmeriCorps and the community from coming out for the seventeenth annual Canal Cleanup.

Although it was rainy all morning, spirits were not dampened as 128 volunteers joined AmeriCorps Cape Cod and the Army Corps of Engineers on Earth Day, April 22nd, for the 17th Annual Canal Cleanup. Volunteers walked all seven miles of the Buzzards Bay side of the canal, picking up trash and other debris. What better way to way to celebrate the Earth than beautifying it!

Volunteers came from the Cape Cod community and even as far as Boston for this day of service.



Groups of volunteers included: Massachusetts Maritime Academy, Whole Foods in Hyannis, alumni from St. Mary's College of Maryland, YMCA Camp Burgess and Hayward, Mashpee Brownie Troops 62618, 62619, 62620, and 62621, Cub Scout Packs 51, 52, and 53, Mashpee Junior Honors Society, Big Brothers and Big Sisters of Cape & Islands, and Wareham High School Junior ROTC. Special projects this day included beautifying the Herring Run and Buzzards Bay Recreation Areas, completed by the Wareham JROTC and Mass Maritime volunteers, respectively.

BARNSTABLE

■ **Scudder Lane**

Set oysters with Barnstable Shellfish Department.

■ **County Tree Farm**

Maintained trees at the farm and improved accessibility to trees; removed natural debris and invasive species.

■ **Cape Cod Pathways**

Served with the Land Acquisition and Preservation Committee to blaze a portion of the Red Trail in the Pathways System running through Barnstable for better visibility and navigation. Served on a portion of the Blue Trail by removing debris and trees that had fallen over from a previous storm.

■ **American Red Cross**

Helped setup and clean up for the 15th Annual Red Cross "Heroes Breakfast" that took place at the Cape Cod Resort and Conference Center in Hyannis.

■ **Barnstable Shellfishing Department - Department of Natural Resources**

Constructed protective nets for quahogs with student volunteers from the Sturgis Charter School; constructed shellfish propagation gear; tidied up the maintenance yard to organize all the gear for the upcoming season.

■ **Cape Cod Child Development**

Performed AmeriCorps Cape Cod's Fire Safety Puppet Show for younger students

■ **East Beach**

Served with Barnstable Department of Public Works - Structures & Grounds Division to remove poplar trees and invasive weeds from the reclamation project area.

■ **Greeter Island**

Planted beach grass plugs with the Barnstable Department of Public Works - Buildings and Grounds.

■ **Sandy Neck Beach**

Erected shorebird fencing with signage which aided in the ongoing efforts to restore habitat areas and protect and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ **Suni Sands**

Planted beach grass plugs with the Barnstable Department of Public Works - Buildings and Grounds.

■ **Meetinghouse Farm**

Pruned dead and diseased branches, maintained rhododendrons, took down smaller trees, and planted woodland species.

■ **Red Lily Pond Coalition**

Performed extensive phragmites removal in herring run and along river banks.

■ **Osterville Rain Gardens**

Served with the Association to Preserve Cape Cod to prepare site for a future project that will engage the public in learning about storm water management and native plants.

BOURNE

■ **Camp Edwards**

Cut-down and removed shrubbery and marked plants to be treated with herbicide in efforts to restore the natural grasslands habitat.

■ **Cape Cod Canal**

Educated Army Corps Junior Rangers about water quality and safety.

■ **Shorebird Fencing**

Erected fencing with signage which aided in

the ongoing efforts to restore habitat areas and protect and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ **Sandplain Grassland & Heathland Vegetative Maintenance**

Served with the Army Corps of Engineers to remove sucker sprouting black oak, pitch pine and other shrubs that, if allowed to grow, would convert a rare heathland habitat into a forested woodlot environment.

■ **Bournedale Herring Run**

Served with the Army Corps of Engineers to clean Bournedale Herring Run to promote a suitable environment for herring to run and spawn.

■ **Dyke's Creek**

Served with the Army Corps of Engineers to clean, widen, and deepen Dyke's Creek to promote a suitable waterway for herring to use to reach a spawning pond.

■ **Erosion Control Fencing Removal**

Served with the Army Corps of Engineers and removed approximately 2,500ft of snow fencing that was installed along Mashnee Village Road to control and prevent erosion as the trails have healed and the fencing is no longer necessary.

BREWSTER

■ **Baldwin Property**

Removed all woody plants underneath the power lines in efforts to top herbicides from being sprayed, served with the Brewster Conservation Trust.

■ **Children's Community Garden**

Members taught children a lesson pertaining to the importance of worms in farming.

■ **Drummer Boy Park**

Removed invasive species and other unwanted plants to clear up the park for better public access and to maintain an open meadow habitat.

■ **Eddy Elementary School**

Assisted Sustainable CAPE with its Farmer in the School program which integrates gardening and healthy eating directly into the school's curriculum.

■ **Kingsbury Matthews Farm**

Cut and chipped invasive plant species to promote habitat restoration for native plants and animals, historical environment; managed encroaching pitch pine and black locust management; trail maintenance and fuels reduction.

■ **Little Breakwater Landing**

Placed cultch bags near Little Breakwater to create new growing habitat for Oysters. Served with Brewster Conservation Trust.

■ **Matthew's Conservation Area**

Cutting and chipping to promote habitat restoration for native plants and animals, and historical environment, encroaching pitch pine and black locust management, trail maintenance, keeping trees for a conservation project at Rock Harbor in Orleans, and fuels reduction.

■ **Mother's Bog**

Performed brush cutting, and prescribed burn to promote habitat restoration for native plants and animals, restoration of the bog, and fuels reduction.

■ **Nickerson State Park**

Pile burn to remove man-made and natural debris for park safety and fuels reduction.

■ **Nickerson State Park/DCR**

Served with Massachusetts Department of Conservation and Recreation Forest Fire Control to remove dead red pine trees.

■ **Punkhorn Conservation Area**

Used brush cutters and chainsaws to cut and pull logs on either side of the main road (150ft). This helped to create safety areas for firefighting apparatus; served with Brewster Department of Natural Resources to create habitats for juvenile shellfish to grow.

■ **Stony Brook Elementary School**

Assisted Sustainable CAPE with their Farmer in the School program.

■ **Stony Brook Grist Mill Herring Run**

Served with Brewster Department of Natural Resources to remove blockages from the run and to increase water flow.



■ Wings Island

Cut brush for prescribed burn prep, to promote habitat restoration for native plants and animals, improve vista, and fuels reduction.

CHATHAM

■ Barclay Pond Trail & Frost Fish Creek Trail

Maintained trails by widening them to four feet and removing any hazardous trees. This service was an effort to enhance recreational use and promote a healthy and active community.

■ Chatham Community Garden

Installed chicken wire in an L-shape, 12" below the existing fence to lessen the number of varmints eating crops.

■ Oyster Pond Beach

Removed oysters from cages already in water and re-bagged oysters in cleaner bags to float in cages for the summer.



Members spend a significant amount of their year of service propagating shellfish



Filling cages



Once shellfish have reached a certain size, they are broadcast.

■ Chatham Airport Cleanup

Removed metal, rubber, and other waste from airport to prevent the area being used as a dump. Removed trees on either side of the road and among various lots to improve usability.

■ Morris Island Road

Dug up quahogs with the Chatham Shellfishing Department.

■ Shore Bird Fencing

Erected fencing with signage which aided in ongoing efforts to restore habitat areas and protect and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

DENNIS

■ Association to Preserve Cape Cod

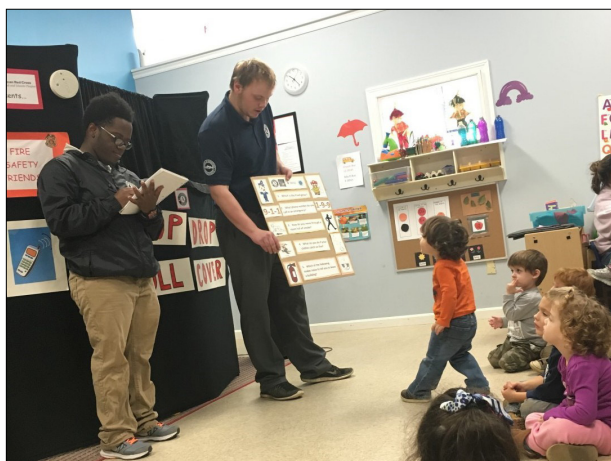
Participated in a gardening workshop; made labels

for plants in new garden out of invasive twigs, planted seeds and shrubs, and maintained the general appearance of the garden.

■ Black Flats Road Trail

Maintained the trail by removing invasive species and adding signage; served with Dennis Department of Natural Resources.

■ Cape Cod Child Development Dennisport Preschool



Members performed the Fire Safety puppet show.

Members taught fire safety and preparedness to a young audience

■ Clipper Lane Conservation Area

This land is a wetland and a very valuable conservation asset. Picked up debris and litter with Dennis Department of Natural Resources.

■ Cove Road

Raked and harvested quahogs to be relocated with the Dennis Department of Natural Resources

■ Cross and Pond Street Blueberry Patches

Trimmed blueberry bushes and removed invasive species to improve plant growth, added mulch to the bushes, and improved general accessibility to both blueberry patches.

■ Dennis Wood Lottery Preparation

Stacked wood into piles for distribution to Dennis residents that need wood to heat their homes.

■ Dennis Transfer Station

Fabricated oyster cultch bags through a joint operation between multiple towns' shellfishing departments.

■ Paddocks Path

Removed invasive species and brush with the Dennis Conservation Trust.

■ Scargo Tower

Cleared tall trees and shrubs including invasive species to improve visibility at the scenic view overlooking Scargo Lake; served with Dennis Department of Natural Resources.

■ Shorebird Fencing

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ Vernal Pool certifications

Searched for Vernal Pools in various conservation areas throughout Dennis with the Dennis Department of Natural Resources.

EASTHAM

■ Bridge Pond Herring Run

Served with Eastham Natural Resources to prepare the Herring Run by shoring up erosion hot spots with gabion structures and clearing any obstructions of water flow.

■ Doane Rock and Great Island (Wellfleet)

Picnic Area Removed woody debris and trash from the picnic area; lopped invasive species to maintain the area's pathways.

■ Eastham Elementary School

Assisted Sustainable CAPE with their Farmer in the School program and performed the Fire Safety puppet show on a separate occasion.

■ Richardson Property

Partnered with City Year and the National Seashore to maintain this land. Removed invasive species and hazardous trees; created, ignited, and monitored burn piles.

■ Salt Pond



Culled, cleaned, and broadcast oysters at Salt Pond with Eastham Department of Natural Resources.

■ Wiley Park

Served alongside Eastham Natural Resources to remove vegetation along an area of beachfront at Wiley Park Swim Area. Also, removed invasive species along conservation trails within Wiley Park Conservation Area.

FALMOUTH

■ Beebe Woods

Brought Falmouth Elementary students on educational tours around the Beebe Woods property. The tour focused on how the Cape Cod landmass was created by glaciers.

■ Nobska Lighthouse

Installed locks on fences, removed invasive species, and maintained the main walkway leading up to the lighthouse as a part of CARE for the Cape and Islands' CARE Day.

■ Shorebird Fencing

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ Breivogel Conservation Area

Removed and bundled phragmites so that it could be treated with herbicide later. Created a new overlook trail.

■ Coonamessett Reservation

Assisted with the removal of shrubs and woody invasive species to create a meadow habitat that is important for rare and protected bird species.

■ Falmouth Rod and Gun Club

Planted a pollinator meadow on Rod and Gun Club's property through a partnership with The 300 Committee, Friends of Mashpee National Wildlife Refuge and the Town of Falmouth.

HARWICH

■ Family Pantry of Cape Cod

Prepared the garden for the growing season by

weeding, planting, and re-aligning the watering hoses.

■ 75 Kendrick Road Archaeological Site

Invasive management to promote habitat restoration for native plants and animals, improve archaeological accessibility, and fuels reduction.

■ Harwich Herring River

Cleared the river with Harwich Natural Resources Department to allow herring to migrate.

■ Shorebird Fencing

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ Texeira Conservation Lands

Removed old wooden steps and blocked the existing path to create a new path that is safer and easier to access. Removed invasive species. We served with the Harwich Conservation Department.

■ Thompson's Field

Conducted brush cutting, cut and pile burn to promote habitat restoration for native plants and animals, historical native landscape through pitch pine thinning, invasive management, trail maintenance, and fuels reduction.

MASHPEE

■ Besse's Bog

Cleared and maintained trails for community usage.

■ Boys and Girls Club

Presented STEM lessons relevant to Cape Cod for children from 1st grade to 8th grade once a month for five months.

■ John Johansen Conservation Area

Cleared and maintained trails for community usage.

■ Mashpee River Herring Run

Cleared the herring run of trash and other unnatural debris while maintaining natural woody

debris and overhead vegetation.

■ **Mashpee River Woodlands Trail**

Removed invasive species, added stairs and widened the trail.

■ **Mashpee Shellfish Department**

Constructed oyster trays with the Mashpee Shellfish Department.

■ **Quashnet River**

Built-up the banks of the Quashnet River to deter passage across by All Terrain Vehicles and other restricted vehicles; Served with Mashpee Conservation Department.

■ **Santuit Pond Preserve**

Cleared trails of encroaching branches and vegetation, created and installed directional trail signs, installed bench at overlook, and installed stairs to make trails more accessible.

■ **Shorebird Fencing**

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

ORLEANS

■ **Arbor Day**

Partnered with Orleans Conservation Trust and Orleans Tree Department to plant numerous plants for Arbor Day.

■ **Boland Pond**

Conducted cutting, chipping, and stump grinding to promote habitat restoration for native plants and animals, invasive management, trail maintenance, and fuels reduction.

■ **Ice House Pond**

Built a new trail extension to the current walking trail at Ice Pond Conservation Area with Orleans Conservation Trust.

■ **Mauch Gift Property**

Removed invasive species and widened the walking trail through the Orleans Conservation Trust property.

■ **Meredith's Canyon**

Served with Orleans Tree Department to continue the forest restoration project by selective thinning and removed invasive species.

■ **Mill Pond Valley**

Removed a contingency of garlic mustard among other invasive plants, constructed a small boardwalk over mud, and repainted a bridge.

■ **Namequoit Bog**

Pile reconstruction and burning to promote habitat restoration for native plants and animals, invasive management, natural debris removal, and fuels reduction.

■ **Sarah's Pond**

Removed invasive species in efforts to restore the ecological health of the conservation property that is part of the Three Ponds Conservation Area. We served alongside Orleans Conservation Trust.

■ **Terrapin Cove**

Removed debris from bordering wetlands vegetation to assure turtles can access the nesting habitat; served with Eastham Natural Resources and Mass Audubon.

PROVINCETOWN

■ **B-Street Community Garden**

Constructed five ground beds and two elevated garden beds; weeded and spread wood chips throughout the garden.

■ **Provincetown Elementary School**

Assisted Sustainable CAPE with their Farmer in the School program.

■ **52 Creek Road**

Cleared brush to install split rail fencing; served with Provincetown Conservation Trust.

SANDWICH

■ **Joint Base Cape Cod**

Prescribed burn to promote habitat restoration for native plants and animals, hazard management, and fuels reduction.

■ **Sandwich Community Green**

Arranged gravel to fill in rodent habitat under the community garden's shed and planted new pollinator plants in existing garden beds.

■ Shorebird Fencing

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ Shawme Crowell State Forest

Felled dead Red Pine trees to reduce potential hazard trees from falling across roadways and onto buildings.

■ Sandwich Herring Run

Served with the Department of Natural Resources to clean the stream and culverts of debris to better aid herring migration; removed plants from earthen dam to protect its structural integrity and performed trail maintenance to improve trails for public use.

■ Murkwood Conservation Area

Assisted the Department of Natural Resources by demolishing and removing an illegal hunting camp created on Murkwood Conservation land; helped to widen a trail for larger debris to be removed mechanically.

■ Weebles Daycare Center

Performed both the Fire Safety and Winter Safety puppet show.

■ YMCA Camps Burgess and Hayward

Utilized wood splitters to stock fire wood for the upcoming summer and spread wood chips for the low ropes course; general prep work completed before large public volunteer day.

TRURO

■ Great Pond-Truro

Installed jute netting, split rail fencing, and native plants with Cape Cod National Seashore.

■ Truro Children's Community Garden

Assisted Sustainable CAPE with children during an after-school program to create artwork based

on what they had learned over the summer about pollinators.

WELLFLEET

■ Dyer Pond & Spectacle Pond

Jutted and planted native species in efforts to mitigate erosion. Served with Cape Cod National Seashore.

■ Fox Island

Removed brush and cut-up logs that were disturbing the wetlands in the area; served with Wellfleet Health & Conservation Department.

■ Omaha Landing & Field Point Landing

Installed and repaired kayak racks to help reduce the number of people leaving their boats on the dunes and damaging the vegetation; served with Wellfleet Health & Conservation Department.

■ Powers Landing

Constructed kayak racks for residents of Wellfleet to use instead of placing their kayaks on dunes; served with Wellfleet Health & Conservation Department.

■ Wellfleet Conservation Trustees

Cleaned various WCT sites in addition to trail widening and maintenance.

■ Gull Pond

Raked and spread hay at Gull Pond to encourage plant growth up the embankment and installed post-hole fencing; served with the Cape Cod National Seashore.



Members alongside IFAW rescuing a Risso's dolphin weighing in at about 1500 lbs.

YARMOUTH

■ Shorebird Fencing

Erected fencing with signage which aided in the ongoing efforts to restore habitat areas and conserve Piping Plovers, Least Terns, and Common Terns; served with Mass Audubon.

■ Taylor Bray Farm Preservation Association

Served with Taylor Bray Farm clearing brush and invasive species back three feet from the pasture fence line.

■ Yarmouth Woodlands

Conducted prescribed burn to promote habitat restoration for native plants and animals, and fuels reduction.

■ Sandy Pond Herring Run

Served with Yarmouth Department of Natural Resources to clear out the herring run of leaf litter and large debris, deepened the run with shovels, and created trail farther from the bank of the stream to prevent erosion.

■ Sea Holly Park

Served with the Department of Parks and Recreation to remove invasive plants and promote the growth of native plants at this scenic park.

Cape Cod National Seashore

■ Long Point Outwash

Pile burn to remove both natural and man-made debris that gets washed up during high tides.

■ Highlands Center

Service focused on invasive management, fuel reduction, habitat restoration, as well as general upkeep and beautification based on long term Cape Cod National Seashore goals.

■ Lombard-Paradise Hollow Fire Management Research Area

Long term fire ecology research plots alongside UMASS Amherst.

■ Great Pond

Removed hazard trees from the pond access and trail.

■ Richardson Property

Cut and pile burn for invasive management, fuels reduction, and the removal of natural debris.

■ Cape Cod National Seashore Helipad

Cut and Pile burn to remove fuels that are encroaching on the Helipad, creating fire risk as well as safety risk for helicopters.

■ Marconi Site Road

Cut and pile burn to promote habitat restoration for native plants and animals, and fuels reduction.



AmeriCorps member Lizabeth Rodriguez uses her drip torch to light a fire.

■ Marconi Beach Road

Cut and pile burn, and prescribed burn to promote habitat restoration for native plants and animals, and fuels reduction.

■ Hemenway Landing

Cut and pile burn, and prescribed burn to promote habitat restoration for native plants and animals, and fuels reduction.

■ Nauset Light Beach

Built long term beach access for a long-term erosion solution that is wheelchair accessible; cut and pile burn for employee accessibility.

■ Tomahawk Trail

Cut and pile burn for fuels reduction, trail maintenance, and hazard tree removal.

■ Fort Hill

Conducted brush cutting, cut and pile burn, and



FY'17



prescribed fire to promote long term habitat restoration for native plants and animals, historical native landscape, invasive management, and fuels reduction.

■ **Doane Rock**

Prescribed burn to promote habitat restoration for native plants and animals, and fuels reduction, and trail maintenance.

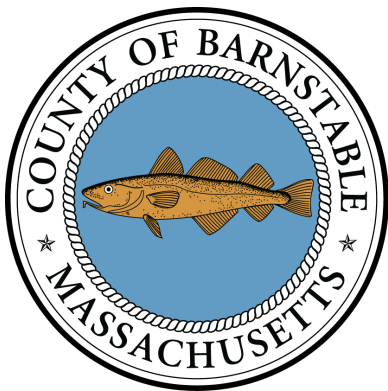
■ **Coast Guard Beach**

Pile burn to promote and fuels and debris reduction.

AmeriCorps Cape Cod Members - Year 18

Thank you for your service!

Report of the Barnstable County **REGISTRY OF DEEDS**





Barnstable County Registry of Deeds

**Railroad Ave.
Post Office Box 368
Barnstable, MA 02630
508-362-7733 | Fax: 508-362-5065**

www.barnstabledeeds.org

Recording Hours: Monday through Friday 8:00am- 4:00pm

Research Hours: Monday through Friday 7:45am- 4:00pm

Administration

John F. Meade, Esq., Register of Deeds
(508) 375-6931 | jmeade@barnstabledeeds.org

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Land Court:

Frederick Sarkinen, Supervisor
(508) 375-6940

Judy Hendy, Coordinator
(508) 375-6941

Recorded Land:

Helen A. Gould, Supervisor
(508) 375-6938

Rene Kelly, Coordinator
(508) 375-6939

The Registry of Deeds is responsible for maintaining the records of property transfers within Barnstable County. This includes all deeds, mortgages, plans and other instruments which purport to affect the title to Real Estate on Cape Cod. The Registry is used daily by local attorneys, surveyors, title examiners, real estate professionals and members of the general public who are trying to determine the status of particular parcels of land. Our goal continues to be one of providing prompt, efficient and courteous service to all those who visit our facility.

FY 2017

FY2017 saw over 96,103 documents and plans recorded at the registry. \$11,566,662.41 in County Excise Tax and \$2,634,455.29 in County Recording and Copy Fees were collected in the past fiscal year.

Electronic Document Filing

FY2017 marked our third full fiscal year of “eFiling” of recorded land documents. We saw our monthly volume of “eFiled” documents continue to grow from approximately nearly 24% per month to 30% by the close of the fiscal year. We continue to experience a rise in overall productivity and efficiency due to greater customer adoption of this innovative means of recording.

Capeview Access & Registry Website

The registry provides use of our internet access Capeview system to all towns within Barnstable County free of charge. The towns are exempt from are our \$50.00 annual fee and the \$1.00 per page copy fee. Capeview enables remote users to access the registry’s over three hundred years of electronic records nearly 24 hours a day 7 days a week. Users can do title rundowns, search for

liens or find records pertaining to any real estate transaction within the county. The system also provides users the ability to have documents printed in their home or office without involving registry personnel. All Assessors offices and many town departments in the county have free accounts with us. The savings to the towns have been significant since we began offering the service over 15 years ago.

Credit Card payment processing was introduced to our website in the middle of FY 2014. This has enabled account holders to fund their accounts for printing at nearly any hour of the day without having to mail or deliver a check. It has also enabled casual users of our website to print a copy without having to open an account or mail in a copy request.

In June 2015 the registry, with the assistance of County IT, rolled out our new homepage. It was the first step in a process to update our online

presence for years to come. We have used this updated medium to get registry news, changes in hours due to holidays and storms, and changes to excise tax or fee structure out to our customer base in a timely manner.

Declaration of Homestead Forms

The registry and its staff provide valuable assistance to all homeowners in Barnstable County with the preparation of declaration of homestead forms. These forms are available free of charge at our copy counters. The cost to record a homestead is \$35.00 in both our recorded land and our registered land (Land Court) departments. The Declaration of Homestead under **Massachusetts General Laws Ch.188** gives persons up to \$500,000.00 protection on their primary residences. It can be a valuable last line of defense and it is recommended to all homeowners in Barnstable County. (<http://www.sec.state.ma.us/rod/rodhom/homidx.htm>)



Recorded Land Clerks waiting on customers and recording documents.



Member of the public researching titles framed by thousands of registry record books.



The Register's Seal keeps watch over Original Book 61. The only surviving volume of the Fire of 1827.



NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Barnstable County
P.O. Box 427
3195 Main Street
Barnstable, MA 02630